From:

Subject:

To:

Sent:

Jiang, Dong

Monday, March 27, 2006 5:02 PM

Jarrell, Noble

09/766,511 - interference search

ETD = 1909404 9/10/99 (09/393,996)

Please do an interference search for 1) SEQ ID NO:51 and 52 (nt.) 2) SEQ ID NO:53 (aa., standard & against nt databases)

Please send results on paper to Dong Jiang in REM 4D70 (mail stop REM 4C70).

Thank you very much.

Dong

Dong Jiang AU1646 **REM - 4D70** 571-272-0872 Mail stop REM - 4C70

> Noble Jin 3/29106 5PR 50M 3 ng lac compagen

GLEGI HAT G JENG SHILL

```
3.0 10409
2.5 38611
2.5 38611
2.5 38611
2.4 2009
2.4 19169
2.4 451925
2.4 451925
2.4 451925
2.4 451925
2.4 461925
2.4 461925
2.4 461925
2.4 4072
2.3 381101
2.3 381101
2.3 381101
2.3 381101
2.3 381101
2.3 381101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid

STRANDEDNESS: single

; TOPOLOGY: linear

US-08-772-440-3
                                                                                                                                                                                                                                                                                              RESULT 1
US-08-772-440-3
  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 20, Appl
Sequence 22, Appl
Sequence 1, Appli
Sequence 120, App
Sequence 698, App
Sequence 7, Appli
Sequence 7, Appli
Sequence 376, App
Sequence 376, App
                                                                                       (without alignments)
9939.997 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                     Sequence 376,
Sequence 376,
Sequence 376,
Sequence 376,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 376,
Sequence 376,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 40,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 376
Sequence 376
Sequence 376
                                                                         March 28, 2006, 08:19:14; Search time 556.874 Seconds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
          5.1.7
Biocceleration Ltd.
                                                                                                                                                                                                                                                                                                                          Issued Patents NA:*

1: /cgn2_6/ptodata/1/ina/1_COMB.seq:*

2: /cgn2_6/ptodata/1/ina/5_COMB.seq:*

3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/1/ina/RB_COMB.seq:*

5: /cgn2_6/ptodata/1/ina/H_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/PE_COMB.seq:*

7: /cgn2_6/ptodata/1/ina/PE_COMB.seq:*

8: /cgn2_6/ptodata/1/ina/PE_COMB.seq:*

9: /cgn2_6/ptodata/1/ina/RB_COMB.seq:*

9: /cgn2_6/ptodata/1/ina/RB_COMB.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-772-440-3
US-08-772-440-20
US-08-111-470-1
US-09-949-002-120
US-09-949-002-120
US-09-111-470-7
US-09-907-794A-376
US-09-905-125A-376
US-09-905-125A-376
US-09-905-125A-376
US-09-905-125A-376
US-09-905-125A-376
US-09-905-131A-376
US-09-905-204-376
US-09-905-381A-376
US-09-905-381A-376
US-09-905-381A-376
US-09-905-381A-376
US-09-905-618-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-902-736A-376
US-09-906-722A-376
                                                                                                                                                                                                                       Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-772-440-42
US-08-772-440-40
                                                                                                                                                                                                    1303057 segs, 888780828 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SUMMARIES
          GenCore version
Copyright (c) 1993 - 2006
                                                                                                                                                                                                                                                                                Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                     nucleic search, using sw model
                                                                                                                                                                  IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                seq length: 0
seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     997
997
145
152
                                                                                                                                                                   Scoring table:
                                                                                                                      Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         379.2
303.2
260.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            161.6
137.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             117.4
117.4
117.4
117.4
117.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                117.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   137.4
                                                                                                                                                                                                                                                Minimum DB
Maximum DB
                                                     OM nucleic
                                                                                                                                             Sequence:
                                                                                                                                                                                                    Searched:
                                                                                                                                                                                                                                                                                                                              Database
                                                                           Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   80
```

```
25 944 3 10 10409 3 103 04-74.31 Sequence 51. Appl 25 7 793 2 2 2 2 205 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409 3 10409
```

```
NSG-08-772-440-22
Sequence 22, Application US/08772440
Sequence 22, Application US/08772440
Sequence 22, Application US/08772440
Sequence 22, Application US/086158
GENERAL INFORMATION:
APPLICANT: Arizumi, Kiyoshi
APPLICANT: Takashima, Akira
TITLE OF INVENTION: UNIQUE DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
TITLE OF INVENTION: THEREOF
NUMBER OF SEQUENCES: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     eccaaredarcearearacrecrireagreaaaarereagreagereregeaceceardaac 379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATATGTGAGATGAATAAGATTACC 778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 380 ccaarcriccagaagagcggricriricaaragrirracriggaarccrrcgaaargggcr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CAAAGGTGCCAG-----CCTGGGGATGTTGCCCAGCTTCTTGGAAGTCATTTGGTTCCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GTTGCTACTTCATTTCCAGTGAAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               derideriale de la comparta del comparta de la comparta del comparta de la comparta del la comparta de la comparta della comparta de la comparta de la comparta de la comparta de la comparta della comparta de la comparta de la comparta della compar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGATGGGAGCACATTTGGTTGTTCAACACAGAAGCAGAGCAGAATTTCATTGTCCAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AGCTGAATGAGTCATTTTTCTTGGGGCTTTCAGACCCACAAGGTAATAATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CCAATCATTCTGCAGGGAATGTGCTTCAATAGTCTTCTGGAAACCTACAGGATGGGGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCACCTGCTTCAGTGAAGGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GGCAATGGATTGATAAGACACCTTATGAGAAAATGTCAGATTTTTGGCACCTAGGTGAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 501;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indele
                        Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
9.7%; Score 303.2; DB 3
Best Local Similarity 78.4%; Pred. No. 2.8e-57;
Matches 378; Conservative 0; Mismatches 96
                  SOFTWARE: Patentin Release #1.0, Vere CURRENT APPLICATION DATA:
APPLICATION NATA:
APPLICATION NATA:
APPLICATION NATE: US/08/72,440
FILING DATE: CONCURRENTLY HEREWITH CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
REPERNICE/DOCKET NUMBER: UTXD:493
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/44-757
INFORMATION FOR SEQ ID NO: 20: SEQUENCE CHARACTERISTICS:
LENGTH: 501 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
TYPE: GLENGTHERESS: single
YSTEM: PC-DOS/MS-DOS
PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TA 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TA 501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-772-440-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     479
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              599
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            539
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       629
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 20, Application US/08772440

Patent No. 6046158

GENERAL INFORMATION:
APPLICANT: Arizumi, Kiyoshi
APPLICANT: Takashima, Akira
TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
TITLE OF INVENTION: THEREOF
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                 159
                                                                                                                                                                                     219
                                                                                                                                                                                                                                      205
                                                                                                                                                                                                                                                                                         279
                                                                                                                                                                                                                                                                                                                                            265
                                                                                                                                                                                                                                                                                                                                                                                                TACCATITITACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTATCATTCA 339
                                                                                                                                                                                                                                                                                                                                                                                                                           393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGTOTCACCTGCTTCAGTGAAGGGACTATGGTGTCAGAAAAATGTGGGGATGCTGCCCA 385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GTCAGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGTGCTTCAATAGTC 693
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GTCAGGTTCTGGCACCCCATGAACCCAATCTTCCAGAAGAGGGGTGTGTTTCAATAGTT 685
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                753
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TACTGGAATCCTTCGAAATGGGGCTGGAATGATGTTTTCTGTGATAGTAAACACAATTCA 745
                                                                                                                                 151
                             97
                                                                                 AGGGAGAGAGAGCTACAAAAGGTTCCTGGACCTTCTCAACACACAGGGAGCCTGCATAATGATG
                                                                                                              --GGAGACAGATGCAAGAAACCCCT-GACCTTCTGAACATA---CACCTCAACATGGTG
                                                                                                                                                                                     CAAGAGCAGCAACCTCAAAGTACAGAGAAAAGGGCTGGTTGTCCCCTGAGACTCTGGTCT
                                                                                                                                                                                                                           CAGGAAAGACAATCCCA-----AGGGAAGGGAGTCTGCTGGACACCCTGAGACTCTGGTCA
                                                                                                                                                                                                                                                                                                                    GCTGCTGTGATTTCCATGTTACTCTTGAGTACCTGTTTCATTGCGAGCTGTGTGGTGACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AGTCTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAG-----CCTGGGGATGTTGCCCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAAGGTTTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      386 AATCACTGGAAGTCATTTGGCTCCAGCTGCTACCTCATTTCTACCAAGGAGAACTTCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GCGGAGCAGAATTTCATCACCCAGCAGCTGAATGAGTCACTTTCTTACTTCCTGGGTCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TCAGACCCACAAGGTAATAATTAGCAATGGATTGATAAGACACCTTATGAGAAAAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TTCTGGAAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCA
GTGGCTGGGATTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      785
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ararcraaargaagarrraccrargagr 777
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATATGTGAGATGAATAAGATTTACCTATGAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Arnold, White & Durkee STREET: P.O. Box 4433 CITY: Houseton STATE: Texas COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-772-440-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   989
                             39
                                                                              100
                                                                                                                                                                                     160
                                                                                                                                                                                                                                      152
                                                                                                                                                                                                                                                                                         220
                                                                                                                                                                                                                                                                                                                                            206
                                                                                                                                                                                                                                                                                                                                                                                                280
                                                                                                                                                                                                                                                                                                                                                                                                                                                 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       909
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       574
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           634
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      754
                                                                                                                                 98
                                                                                                                            셤
                                                                                                                                                                                                                                   요
                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                              ò
                                                                                                                                                                                     ઠ
```

ij

418

538

259

199

598

319 658 718 439 499

```
537 aagagacagccriggagcrigrrgcccaagaarrggaagrcarrragrrccaacrgcracr 596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       428 TCATTTCCAGTGAAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAG 487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  597 iraititciacidaatcagcarciidecaagacagidagaaggacidigidetagaategag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    creaccrecresidaraakacreaasaasaseseserrirearerrecasaareresaas 716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          717 AAGAATCTGCTTATTTTGTGGGGCTCTCAGATCCAGAAGGTCAGCGACATTGGCAATGGG 776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TTGATAAGACACCTTATGAGAAAATGTCAGATTTTGGCACCTAGGTGAGCCCAATCATT 667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              777 Trearcadacaccarácaargaaagrrecacarrerescarecaceres es 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CCAATGAGCGCTGCGTTGTGCTAAATTTTCGTAAAATCACCCAAAAAGATGGGGCTGGAATG 896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AGTCATTTTCTTATTTTCTGGGGCTTTTCAGACCCACAAGGTAATAATAATTGGCAATGGA 607
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTGCAGAGCAATGTGCTTCAATAGTCTTCTGGAA---ACCTACAGGATGGGGCTGGAATG 724
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATGITATCTGTGAAACTAGAAGGAATTCAATATGTGAGATGAATAAGATTTACCTATGAG 784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATTTCATTGTCCAGCAGCTGAATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6.3%; Score 197; DB 3; Length 1104;
67.8%; Pred. No. 8.3e-34;
tive 0; Mismatches 135; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   368 AGGIGCCAGCCIGGGGAIGIIGCCCCAGCTICTIGGAAGICAITIGGI
                  APPLICANT: Lebecque, Serge J.E.
TITLE OF INVENTION: Mammallan Membrane Protein Genes;
TITLE OF INVENTION: Related Reagents
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSE: DNAX Research Institute
                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: RIOPY disk
COMPUTER: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURENT APPLICATION NUMBER: US/09/111,470
FILING DATE: 08-JUL-1998
CLASSIFICATION:
RPILCATION NUMBER: US 60/053,080
FILING DATE: 09-JUL-1997
ATTORNEY/AGENT INFORMATION:
NAME: CALING, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: SF0695
TELECOMMUNICATION:
TELEPHONE: (650)852-9196
                                                                                                                            E: DNAX Research Institute 901 California Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (650)496-1200
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1104 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similary,
Matches 291; Conservative
  Saeland, Sem
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; NAME/KEY: CDS
; LOCATION: 242..952
US-09-111-470-1
                                                                                                                                                 STREET: 901 Calife
CITY: Palo Alto
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: 1in
                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        657
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               725
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 TICTGGAGCACCAGTGAGCAGAACTGTGTTCAGATGGGGGGCTCATCTGGTGGTGATCAAT 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           388 TGCCCAGCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAAGA 447
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           448 GTTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTGAAC 507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             508 ACAGAAGCAGAGCAGAATTICATIGICCAGCAGCTGAATGAGTCATTTTCTTATTTTCTG 567
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GGGCTTTCAGACCCACAAGGTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAG 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         628 AAAAATGTCAGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGTGCTTCA 687
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  241 CAAAATGTCAGGTTCTGGCACCCCCATGAACCCAATCTTCCAGAAGAGCGGTGTGTTTCA 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                688 ATAGTCTTCTGGAAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGG 747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        301 ATAGTTTACTGGAATCCTTCGAAATGGGGCTGGAATGATGTTTTCTGTGATAGTAAACAC 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 IGCCCAAATCACTGGAAGTCATTTGGCTCCAGCTGCTACTCTCTACTATCTACCAAGGAGAAC 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          83; Indels
                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/772,440
FILING DATE: CONCURRENTLY HEREWITH
CLASSIPICATION: 435
ATTONEY/AGENT INPORMATION:
NAME: ATTONEY/AGENT INPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
8.4%; Score 260.2; DB 3;
Best Local Similarity 78.9%; Pred. No. 7.6e-48;
Matches 310; Conservative 0; Mismatches 83;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            361 AATTCAATATGTGAAATGAAGAAGATTTACCTA 393
                                                                                                                                                                                                                                                                                                             ADDRESSEE: Arnold, White & Durkee STREET: P.O. Box 4433 CITY: Houston STATE: Texas COUNTRY: USA ZIP: 77210 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1, Application US/09111470
Patent No. 627759
GENERAL INFORMATION:
APPLICANT: Valladeau, Jenny
APPLICANT: Ravel, Odile
APPLICANT: Bates, Elizabeth E.M.
APPLICANT: Ford, John
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-111-470-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
```

```
Sequence 120, Application US/09949002

Sequence 120, Application US/09949002

Sequence 120, Application US/09949002

GENERAL INFORMATION:

APPLICANT: VENTER, J. Craig et al.

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION

TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION

TITLE OF INVENTION: WIDHER: US/09/949,002

TITLE OF INVENTION NUMBER: US/09/949,002

CURRENT APPLICATION NUMBER: 60/231,401

PRIOR PELIANG DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 10823

SOFTWARE: FASESEQ for Mindows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          597 irairircracidaarcagcarcrirdecaagacacidadaadgacrigidcragaarddagd 656
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 crcaccriecredranaacacrcaadaadadcacadarrrcarcrrccadaarcriecaad 716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   717 AAGAATCTGCTTATTTTGTGGGGCTCTCAGAACGTCAGCGACATTGGCAATGGG 776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  725 ATGTTATCTGTGAAACTAGAAGGAATTCAATATGTGAGATGAATAAGATTTACCTATGAG 784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      607
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TTGATAAGACACCTTATGAGAAAATGTCAGATTTTTGGCACCTAGGTGAGCCCAATCATT 667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CTGCAGAGCAATGTGCTTCAATAGTCTTCTGGAA---ACCTACAGGATGGGGGCTGGAATG 724
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            368 AGGIGCCAGCCIGGGGAIGITGCCCAGCITCTIGGAAGICATITGGITCCAGITGCTACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            548 AGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAAGGTAATAATAATTGGCAATGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          428 TCATTTCCAGTGAAGAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CACATTTGGTTGTGTTCAACACAGAGCAGAGCAGAATTTCATTGTCCAGCAGCTGAATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-016-434-698

Sequence 698, Application US/09016434

Patent No. 6500939

Patent No. 6500939

APPLICANT: Janice Au-Young

APPLICANT: Janice Au-Young

APPLICANT: Janice Au-Young

TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING

TITLE OF INVENTION: PATHWAX GENE EXPRESSION

NUMBER OF SEQUENCES: 1490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               6.3%; Score 197; DB 3; Length 1271;
67.8%; Pred. No. 8.6e-34;
tive 0; Mismatches 135; Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 67.8
Matches 291; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 957 CTGAACATT 965
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                785 TAGAAGCTT 793
||| ||
957 CTGAACATT 965
                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Human
                                                                        RESULT 6
US-09-949-002-120
                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-949-002-120
                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 120
LENGTH: 1271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      657
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   899
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ð
                                                                                                                                                                                    596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CACATITICGITGICITCAACACAGAAGCAGAGCAGAAITICAITGICCAGCAGCIGAAIG 547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              717 AAGAATCTGCTTATTTTGTGGGGCTCTCAGATCCAGAAGGTCAGCGACATTGGCAATGGG 776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TCATTTCCAGTGAAGATTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAG 487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             548 AGTCATTTTCTTATTTTCTGGGGCTTTTCAGACCCACAAGGTAATAATTAGGCAATGGA 607
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   608 TIGATAAGACACCTTATGAGAAAATGTCAGATTTTTGGCACCTAGGTGAGCCCAATCATT 667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        668 CTGCAGAGCAATGTGCTTCAATAGTCTTCTGGAA---ACCTACAGGATGGGGCTGGAATG 724
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ccarreaccerrecerrereraarrirecraaarceceaaacareecrecaare 896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATGTTATCTGTGAAACTAGAAGGAATTCAATATGTGAGATGAATAAGATTTACCTATGAG 784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              897 Argiraarrigicurggiccrcaaaggicagirrigigagargargaagarccacrrafgaa 956
 897 ATGTTAATTGTCTTGGTCCTCAAAGGTCAGTTTGTGAGATGATGAAGATCCACTTATGAA 956
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                537 Aagagacagccigaacigiigicccaaagaariiggaagicariinagiiccaacigciaci
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AGGIGCCAGCCIGGGGAIGITGCCCAGCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ..
M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1104;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6.3%; Score 197; DB 3; Length 11 llarity 67.8%; Pred. No. 8.3e-34; Conservative 0; Mismatches 135; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: mammalian nucleic acid and protein
                                                                                                                                                             Sequence 1, Application US/09862802A Patent No. 6756478
                                                                        957 CTGAACATT 965
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TAGAAGCTT 793
                                       785 TAGAAGCTT 793
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (242) .. (952)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 291; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ) LOCATION: (242)...(
) OTHER INFORMATION: US-09-862-802A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               725
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             657
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        777
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                        ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
       셤
                                          ò
```

```
584 AGTCTGGAGCTGTTGCCCCAAAGGATTGGAGCTATTTGGTTCCCACTGCTACTTGGTTCC 643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          435 CAGTGA-----AGAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGC 488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           644 CACAGITICTICATCAGCAICTIGGAACAAGAGIGAGGAGAACIGCICCCGCAIGGGGC 703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               489 ACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATTTTCATTGTCCAGCAGCTGAATGA 548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          764 TCATGCTGCTTATTTTATAGGGTTGTGGGATAC---AGGCCATCGGCAATGGCAATGGGT 820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             821 TGATCAGACACCATATGAAGAAGTATCACATTCTGGCACAATGGTGAGCCCAGCAGTGG 880
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        704 TCATCTAGTGGTGATCCAAAGCCAGGAAGAGCAGGATTTCATCACACTGGGATCTTGGACAC 763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGCACCTAGGTGAGCCCAATCATTC 668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               375 AGCCTGGGGATGTTGCCCAGCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         549 GTCATTTTCTTATTTTCTGGGGCTTTCAGACCCCACAAGGTAATAATAATTGGCAATGGAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4.4%; Score 137.4; DB 3; Length 1418; 61.6%; Pred. No. 1.1e-20; ive 0; Mismatches 151; Indels 9;
                                     APPLICANT: Bates, Elizabeth E.M.
APPLICANT: Ford, John
APPLICANT: Saeland, Sem
APPLICANT: Lebecque, Serge J.E.
TITLE OF INVENTION: Mammalian Membrane Protein Genes;
TITLE OF INVENTION: Related Reagents
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: 1348 // COTHER INFORMATION: /note= "poly-A addition motif" US-09-111-470-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:

FILING DATE: 08-JUL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICALLO...
PILING DATE:
CLASSIFICATION:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/053,080
FILING DATE:
NAME: OB-ULL-1997
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REGISTRATION NUMBER: SF0695
TELECOMMUNICATION INFORMATION:
"""REDECOMMUNICATION INFORMATION:
"""" REPRESOMMUNICATION INFORMATION:
""" REPRESOMMUNICATION INFORMATION:
"" REPRESOMMUNICATION INFORMATION:
""" REPRESOMMUNICATION INFORMATION 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                   901 California Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZUP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (650)496-1200
INFORMATION FOR SEQ ID NO: 7
SEQUENCE CHARACTERISTICS:
LENGTH: 1418 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 61.6
Matches 257; Conservative
             Ravel, Odile
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: CDS
LOCATION: 279..992
                                                                                                                                                                                                                                                                                                                                                                     CITY: Palo Alto
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                   STATE: Ca
                                                                                                                                                                                                                                                                                                                                      STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          609
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            415 TCCAGTTGCTACTTCCAGTGAAGAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGT 474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             475 GTTGAGATGGGACACATTTGGTTGTTCAACACAGAAGCAGAGCAGAATTTCATTGTC 534
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                64 TCTGTGATGGGGGCTGATCTGGTGGTGATCAACACCAGGGAAGAACAGGATTTCATCATT 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           535 CAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAAGGTAATAAT 594
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        124 cagaarcrgaaaagaaarrcrncrrarrrncrggggcrgrcagarccagggggrcgggg 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            654
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          655 GAGCCCAATCATTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGAAACCTACAGGATGG 714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       244 GAACCCAATAACCTTGATGAGCGTTGTGCGATAATAAATTTCCGTTCTTCAGAAGAATGG 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 rcradrideracirirarircracresearecarecriseaciraseagreaaagaacrer 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            595 AATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGCACCTAGGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   184 CATTGGCAATGGGTTGACCAGACCATACAATGAAAATGTCACATTCTGGCACTCAGGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 334;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 161.6; DB 3; Length
Pred. No. 3.5e-26;
0; Mismatches 102; Indels
                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: I BM PC compatible
COMPUTER: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION DATA:
FILING DATE: HEREWITH
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PA-0002 US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GGCTGGAATGATGTTATCTGTGA 737
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GGCTGGAATNACATTCACTGTCA 326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0(
TELECOMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 698:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-111-470-7; Sequence 7, Application US/09111470; Patent No. 6277959; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 68.4%;
Matches 221; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Valladeau, Jenny
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 334 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                               PALO ALTO
CALIFORNIA
Y: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LIBRARY: EOSIHET02
CLONE: 288246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear MMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                              94304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-016-434-698
                                                                                                                                 STATE: C. COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        715
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
```

```
881 CAATGAAAATGTGCTACAATAATTTACCGTTGGAAGACTGGATGGGGCTGGAACGATAT 940
                                                            729 TATCTGTGAAACTAGAAGGAATTCAATATGTGAGATGAATAAGATTTACCTATGAGT 785
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic ITILE OF INVENTION: Acids Encoding the Same
                                                                                                                      941 CTCTTGCAGTCTTAAACAGAAGTCAGTTTGTCAGATGAAGAAATAAACTTATGAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 THILE REPERRNCE: 10466-14

CURRENT APPLICATION NUMBER: US/09/907,794A

CURRENT FILING DATE: 2000-02-22

PRIOR PELING DATE: 2000-02-22

PRIOR PELING DATE: 2000-02-22

PRIOR PELING DATE: 1999-07-07

PRIOR APPLICATION NUMBER: US 60/145,698

PRIOR APPLICATION NUMBER: US 60/146,222

PRIOR APPLICATION NUMBER: US 60/146,222

PRIOR APPLICATION NUMBER: US 60/146,222

PRIOR PELING DATE: 1999-07-26

PRIOR PELING DATE: 1999-07-26

PRIOR PELING DATE: 1999-09-08

PRIOR PELING DATE: 1999-09-08

PRIOR PELING DATE: 1999-09-13

PRIOR PELING DATE: 1999-09-13

PRIOR PELING DATE: 1999-09-13

PRIOR PELING DATE: 1999-09-15

PRIOR PELING DATE: 1999-09-15

PRIOR PELING DATE: 1999-09-15

PRIOR PELING DATE: 1999-10-15

PRIOR PELING DATE: 1999-10-15

PRIOR PELING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: PCT/US99/28313

PRIOR APPLICATION NUMBER: PCT/US99/28313

PRIOR APPLICATION NUMBER: PCT/US99/28564

PRIOR APPLICATION NUMBER: PCT/US99/28565

PRIOR APPLICATION NUMBER: PCT/US99/28565

PRIOR APPLICATION NUMBER: PCT/US99/28565

PRIOR APPLICATION NUMBER: PCT/US99/28565

PRIOR PELING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/30911

PRIOR PELING DATE: 1999-12-02

PRIOR PELING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/30911

PRIOR PELING DATE: 1999-12-02

PRIOR PELING DATE: 1999-12-02

PRIOR PELING DATE: 1999-12-02

PRIOR PELING DATE: 1999-12-06

PRIOR PELING DATE: 1999-12-07

PRIOR PELING DATE: 1999-12-09

PRIOR PELING DATE: 1999-12-09

PRIOR PELING DATE: 1999-12-09

PRIOR PELING DATE: 1999-12-09
                                                                                                                                                                                                                         SULT 10
5-09-907-794A-376
Sequence 376, Application US/09907794A
Patent No. 6635468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Godowski, Paul J.
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ferrara, Napoleone
Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Oiang
Gerber, Hangpeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Williams, P. Mickey Wood, William, I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kljavin, Ivar J.
Mather, Jennie P.
Pan, James
Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Roy, Margaret Ann
                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Stewart, Timo
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Goddard,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT
                                                                                                                  g
      셤
                                                               ò
                                                                                                                                                                                                                                                                                                                                                               Sequence 7, Application US/09862802A

Patent No. 6756478

GENERAL INFORMATION:
APPLICANT: Valladeau, Jenny
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Lebecque, Serge J.E.
APPLICANT: Lebecque, Serge J.E.
APPLICANT: Sacland, Sem
TITLE NET FERENCE: SF0658 B
CURRENT FLING DATE: 1997-07-09
CURRENT FLING DATE: 1997-07-09
FRIOR APPLICATION NUMBER: US 60/053,080
PRIOR FILING DATE: 1998-07-09
PRIOR APPLICATION NUMBER: US 09/111,470
PRIOR APPLICATION NUMBER: US 09/111,470
NUMBER OF SEQ ID NOS: 13
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                584 Adrendahacriangeceanagannadagenaringenieeneeracrigeriee 643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                435 CAGTGA-----AGAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGC 488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         669 TGCAGAGCAATGTGCTTCAATAGTCTTCTGGAAACCTACAGAGATGGGGCTGGAATGATGT 728
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      375 AGCCTGGGGATGTTGCCCAGCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTC 434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      644 CACAGITICITICATCAGCATCITIGGAACAAGAGIGAGGAGAACIGCITCCCGCATGGGIGC 703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      489 ACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGA 548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         704 TCATCTAGTGGTGGTCCAAAGCCAGGAAGAGCAGGATTTCATCACTGGGATCTTGGACAC 763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      609 TGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGCACCTAGGTGAGCCCAATCATTC 668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            821 TGATCAGACACCATATGAAGAAGTATCACATTCTGGCACAATGGTGAGCCCAGCAGTGG 880
                                      669 TGCAGAGCAATGTGCTTCAATAGTCTTCTGGAAACCTACAGGATGGGGCTGGAATGATGT 728
                                                                                               881 CAATGAAAAATGTGCTACAATAATTTACCGTTGGAAGACTGGATGGGGCTGGAACGATAT 940
                                                                                                                                                                                                  941 CTCTTGCAGTCTTAAACAGAAGTCAGTTTGTCAGATGAAGAAAATAAACTTATGAAT 997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            549 GTCATTTTTTTTTTGGGGCTTTCAGACCCACAAGGTAATAATAATTGGCAATGGAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      764 rcarecrectrarritarasserreressarac---assecarcsecarescarisser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                            729 TATCTGTGAAACTAGAAGGAATTCAATATGTGAGATGAATAAGATTTACCTATGAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1418;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity 61.6%; Pred. No. 1.1e-20; Conservative 0; Mismatches 151; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE: OTHER INFORMATION: mammalian nucleic acid and protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LOCATION: (279)..(992)
OTHER INFORMATION: protein coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: (1348). (1348); OTHER INFORMATION: poly-A addition motif US-09-862-802A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 61.6
Matches 257; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                            ò
                                                                                                                                                                                                                  요
                                      ò
                                                                                            g
```

ઠ

ઠે g ð

à g ò ď 8 g ò g ð g

```
187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             227 GGATTICCATIGCACICCICAGIGCTIGCTICATIGIGAGCIGIGIAGIAACTIACCATT 286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               188 ggarccccarccrarrcrcagieccientrcarcaccagaiererergacarriceca 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Transmembrane Polypeptides and Nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              170 AACCICAAAGIACAGAGAAAAAGAGCIGGIIGIICCC---IGAGACICIGGICIGIGGCIG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     128 AAACACAATGCACAGAGAGAAGGATGCTTCTTCCCAAATGTTCTTATGGACTGTTGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 3.8%; Score 117.4; DB 3; Length 997; Best Local Similarity 54.4%; Pred. No. 2.6e-16; Matches 329; Conservative 0; Mismatches 261; Indels 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       THIRE REFERENCE: 10466-14

CURRENT APPLICATION NUMBER: US/09/905,125A

CURRENT FILING DATE: 2001-07-12

PRIOR APPLICATION NUMBER: US 60/143,048

PRIOR PILING DATE: 2000-02-2

PRIOR PILING DATE: 1999-07-07

PRIOR FILING DATE: 1999-07-26

PRIOR FILING DATE: 1999-07-26

PRIOR FILING DATE: 1999-07-28

PRIOR FILING DATE: 1999-09-08

PRIOR FILING DATE: 1999-09-08

PRIOR FILING DATE: 1999-09-13

PRIOR FILING DATE: 1999-09-15

PRIOR FILING DATE: 1999-10-05

PRIOR FILING DATE: 1999-10-05

PRIOR FILING DATE: 1999-10-05

PRIOR FILING DATE: 1999-10-05

PRIOR PRIOR DATE: 1999-10-05

PRIOR FILING DATE: 1999-11-09

PRIOR FILING DATE: 1999-11-09

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/30091

PRIOR FILING DATE: 1999-12-02

PRIOR FILING DATE: 1999-12-02

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/30091

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/30099

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/30099
                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Secreted and Transmembra
TITLE OF INVENTION: Acids Encoding the Same
                                                                                        Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                           Tumas, Daniel
Williams, P. Mickey
Wood, William, I.
                                                                                                                                                                                                    Kljavin, Ivar J.
Mather, Jennie P.
Pan, James
Paoni, Nicholas F.
                                                                                                                                               Gurney, Austin L.
Hillan, Kenneth, J
                                                                                                                                                                                                                                                                                                                                                 Stewart, Timothy A. Tumas, Daniel
                                   Gerritsen, Mary E.
Goddard, A.
           Gerber, Hanspeter
                                                                                                                                                                                                                                                                                                                       Roy, Margaret Ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; ORGANISM: Homo Sapien
US-09-905-125A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 376
                                                                                                                                                                                                                                                                                      APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
                                                                                                                                                                                                    APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                   170 AACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCC---TGAGACTCTGGTCTGTGGCTG 226
                                                                                                                                                                                                                                                                                                                                                                                                                                         188 GGATCCCCATCCTATTTCTCAGTGCCTGTTTCATCACCAGATGTGTTGTGACATTTCGCA 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  227 GGATTICCATIGCACICCICAGIGCTIGCTICATIGIGAGCIGIGIAGIAACTIACCATI 286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCA 346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       248 rcritcaaaccigigafaaaaaari---rcagcraccigaaarricacagagcrcr 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CCTGCTTCAGTGAAGGACAAAGGTGCCAGCCTGGGGATGTTGCCCAGCTTCTTGGAAGT 406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              407 CATITIGGIICCAGIIGCIACIICCAIIIICCAGIGAAGAAGAIIIGGICIAAAGAGIGAGC 466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      362 ATTTTCAATCCAGCTGCTACTTCTTTCTACTGACACCATTTCCTGGGCGTTAAGTTTAA 421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                586
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  482 TCCTTTCCTACAAGAACCTAAAATGAGAGAGTTTTTTATTGGACTGTCAGACCAGGTTG 541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           542 regaggerekariegekariegaregaegekekekerirtaacaaksrerergagerireregg 601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      647 ACCTAGGIGAGCCCAAICA-----TICTGCAGAGCAAIGTGCTICAAIAGICTICTGGA 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  602 ATGTAGGGGAGCCCAACAACATAGCTACCCTGGAGGAGTGTGTGCCACCATGAGAGACTCTT 661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     701 AACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATATGTG 760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            422 AGAACTGCTCAGCCATGGGGGCTCACCTGGTGGTTATCAACTCACAGGAGGAGCAGGAAT 481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTTCTGGGGCTTTTCAGACCCACAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      587 GTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGC
                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                 15;
                                                                                                                                                                                                                                                                                         Length 997;
                                                                                                                                                                                                                                                                                   3.8%; Score 117.4; DB 3; Length 54.4%; Pred. No. 2.6e-16; ive. 0; Mismatches 261; Indels
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 376
LENGTH: 997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 376, Application US/09905125A
Patent No. 666476
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Botstein, David
APPLICANT: Bestein, David
APPLICANT: Bestein, David
APPLICANT: Bettein, David
APPLICANT: Ferrara, Napoleone
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                Query Match 3.8%;
Best Local Similarity 54.4%;
Matches 329; Conservative .
                                                                                                                                                                                              ; ORGANISM: Homo Sapien
US-09-907-794A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  761 AGATG 765
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAATG 726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -09-905-125A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             467
                                                                                                                                                                                                                                                                                                                                                                                                                                                           128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       527
                                                                                                                                                                          TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       722
                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
```

```
406
                                                                                                                                                                                                                                                                            466
                                                                                                                                                                                                                                                                                                                                                                                                                      526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            586
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         647 ACCTAGGTGAGCCCAATCA----TTCTGCAGAGCAATGTGCCTTCAATAGTCTTCTGGA 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   760
TTACATATGGTGAAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCA 346
                                                                                                                                                                                                                                                                                                                                                 362 ATTTTCAATCCAGCTGCTACTTCTTTTCTACTGACACCATTTCCTGGGCGTTAAGTTTAA 421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       662 caaacccaagecaaarricgaargargraaccrcritrecrcaarrarrricggarrigre 721
                                                                 rcrrrcaaaccrgrgargaaaaaaarr---rcagcraccrgagaarrrcacagagcrcr
                                                                                                                                                                                                       305 ccrecracaarraredarca -- egrrcagrcaagaarrerrerecarreaacreegaar
                                                                                                                                                                                                                                                                                407 CATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAGAAGGTTTGGTCTAAGAGTGAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCCACAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              587 GTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTCAGATTTTTGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TCGAGGGTCAGTGGCCAATGGGTGGTGGTGCACCTTTGACAAAGTCTCTGAGCTTCTGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          argiadogodocca a contra contra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       701 AACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATATGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                                                                                                                                                                                                      AGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATT
                                                                                                                                         CCTGCTTCAGTGAAGGACAAAGGTGCCAGCCTGGGGATGTTGCCCCAGCTTCTTGGAAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/902,775A
CURRENT FILING DATE: 2001-07-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 376, Application US/09902775A Patent No. 6686451 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Paoni, Nicholas F.
Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eaton, Dan L.
Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sherman
Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAATG 726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AGATG 765
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tumas,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Fong,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -09-902-775A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
   287
                                                                    248
                                                                                                                                                                                                                                                                                                                                                                                                                          467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             761
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              722
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                         347
                                                                                                                                                                                                           ద
                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                         ò
                                                                                                                                                                                                                                                                                ઠે
```

```
128 aaacacaardecacadadadadadargerrerreecaaardereerrargeacrerreerd 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                407 CATTIGGIICCAGIIGCIACTICATIICCAGIGAAGAGAAGGIIIGGICTAAAGAGIGAGC 466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AGAACTGTGTTGAGATGGGAGCACATTTGGTTGTTCAACACAGAAGCAGAGCAGAATT 526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TIACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCA 346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     248 ictricaaaccrgrgaigagaaaari---rcagcraccrgagaarrcacagagcrcr 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCCAGCTTCTTGGAAGT 406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAAG 586
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ccrecracaarraregarca -- egrrcagrcaagaarrerrercarreaacregaar 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     227 GGATTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACTTACCATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                188 égárccccarrircrcadrecererricareaceadarerereacarrireacea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             170 AACCTCAAAGTACAGAGAAAAAGAGGCTGGTTGTCCC---TGAGACTCTGGTCTGTGGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 117.4; DB 3;
Pred. No. 2.6e-16;
0; Mismatches 261;
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR PLING DATE: 1999-07-07
PRIOR PLING DATE: 1999-07-26
PRIOR PLING DATE: 1999-07-26
PRIOR PPLICATION NUMBER: US 60/146,222
PRIOR PELING DATE: 1999-07-28
PRIOR PLING DATE: 1999-07-28
PRIOR PLING DATE: 1999-07-28
PRIOR PLING DATE: 1999-09-13
PRIOR PLING DATE: 1999-09-15
PRIOR PLING DATE: 1999-11-29
PRIOR PLING DATE: 1999-12-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 54.4%;
Matches 329; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-902-775A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
```

4

481

482

d à 셤 ð ద

ò 셤 Š

```
4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        128 AAACACAATGCACAGAGAGAGATGCTTCTCTTCCCAAATGTTCTTATGGACTGTTGCTG 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      227 GGATTICCATIGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACTTACCATT 286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       188 GGATCCCCATCCTATTTCTCAGTGCCTGTTTCATCACCAGATGTGTTGTGACATTTCGCA 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCA 346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         347 CCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCCAGCTTCTTGGAAGT 406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CATTIGGTITCCAGTIGCTACTITCATTICCAGTGAAGAGAAGGTITGGTCTAAGAGTGAGC 466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             362 ATTTCAATCCAGCTGCTACTTCTTTTCTACTGACACCATTTCCTGGGCGTTAAGTTTAA 421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   647 ACCTAGGTGAGCCCAATCA----TTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGA 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    701 AACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATATGTG 760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              662 CAAACCCAAGGCAAAATIGGAAIGAIGTAACCIGTTICCICAATTATTICGGATITGI 721
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   542 regaegereaciedezaaridogredacegeacacerrirgaeaaagrerergaecrierege 601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 602 Argradodadeceaacaacaraderacerodaddacrereceaeceardadadacrerr 661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        170 AACCTCAAAGTACAGAAAAGAGGCTGGTTGTCCC----TGAGACTCTGGTCTGTGGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    305 ccrecracaarraresarca---serrcastraasaarrererearreaacresaar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    587 GTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 117.4; DB 3; Length
Pred. No. 2.6e-16;
0; Mismatches 261; Indels
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR PILING DATE: 1999-12-02
PRIOR PILING DATE: 1999-12-16
PRIOR PILING DATE: 1999-12-16
PRIOR PILING DATE: 1999-12-16
PRIOR PILING DATE: 1999-12-20
PRIOR PILING DATE: 1099-12-20
PRIOR PILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 376
LIENGTH: 997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 14
US-09-903-603A-376
; Sequence 376, Application US/09903603A
; Patent No. 6767995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches 329; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
CORGANISM: Homo Sapien
US-09-906-700-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  761 AGATG 765
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   722 AAATG 726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ď
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANI:

APPLICANI:

APPLICANI:

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14

CURRENT APPLICATION NUMBER: US/09/906,700

CURRENT FILING DATE: 2000-09-18

PRIOR PILING DATE: 2000-00-22

PRIOR PILING DATE: 1999-07-07

PRIOR PILING DATE: 1999-07-07

PRIOR PILING DATE: 1999-07-26

PRIOR PILING DATE: 1999-07-26

PRIOR PILING DATE: 1999-07-26

PRIOR FILING DATE: 1999-07-28

PRIOR PILING DATE: 1999-07-28

PRIOR PILING DATE: 1999-09-08

PRIOR PILING DATE: 1999-09-08

PRIOR PILING DATE: 1999-09-08

PRIOR PILING DATE: 1999-09-13

PRIOR PILING DATE: 1999-09-13

PRIOR PILING DATE: 1999-09-15

PRIOR PILING DATE: 1999-11-29

PRIOR APPLICATION NUMBER: PCT/US99/28214

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29
                                                                                                                                                                                                         760
                                                             601
                                                                                                        647 ACCTAGGTGAGCCCAATCA----TTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGA 700
                                                                                                                                                         661
                                                                                                                                                                                                                                                       662 caaacccaaggcaaatriggaargargraaccrgriticcrcaartartricggarrigrg 721
          587 GTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAATGTCAGATTTTGGC
                                                     542 rcahagarcharadaradaradachacharanahararahararaharrichada
                                                                                                                                                         602 ATGTAGGGGAGCCCAACAACATAGCTACCCTGGAGGACTGTGCCACCATGAGAGACTCTT
                                                                                                                                                                                                       701 AACCTACAGGATGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATATGTG
                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 13
US-09-906-700-376
Sequence 376, Application US/09906700
Sequence 376, Application US/09906700
Batent No. 6723535
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Botstein, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Stewart, Timothy A.
Tumas, Daniel
Williams, P. Mickey
Wood, William, I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pan, James
Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Paoni, Nicholas F
Roy, Margaret Ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gerber, Hanspeter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Fong, Sherman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Goddard, A.
                                                                                                                                                                                                                                                                                                     761 AGATG 765
                                                                                                                                                                                                                                                                                                                                                     722 AAATG 726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT
```

54.48;

```
Best Local Similarity 54.4 Matches 329; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          JS-09-904-920A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  원
                                                                                                           유
                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                     ଟ
                                                                                                                                                        ð
                                                                                                                                                                                                                                           ð
                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: GNE. 1618P2C12
CURRENT APPLICATION NUMBER: US/09/903, 603A
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: PCT/US00/04414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR FILING DATE: 2000-02-22
PRIOR FILING DATE: 1999-07-26
PRIOR FILING DATE: 1999-07-26
PRIOR PLING DATE: 1999-07-26
PRIOR PLING DATE: 1999-07-26
PRIOR PLING DATE: 1999-07-26
PRIOR FILING DATE: 1999-07-28
PRIOR FILING DATE: 1999-07-28
PRIOR FILING DATE: 1999-07-28
PRIOR FILING DATE: 1999-09-13
PRIOR FILING DATE: 1999-09-13
PRIOR PLING DATE: 1999-09-13
PRIOR PLING DATE: 1999-09-15
PRIOR PLING DATE: 1999-09-15
PRIOR PLING DATE: 1999-09-15
PRIOR FILING DATE: 1999-10-05
PRIOR FILING DATE: 1999-10-05
PRIOR FILING DATE: 1999-11-29
PRIOR FILING DATE: 1999-11-20
PRIOR FILING DATE: 1999-11-20
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-03
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
LENGTH: 997
                                                                                                                                                                                                                                                                                    Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                              Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Stewart, Timothy A. Tumas, Daniel
                                                                                                                                  Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                            Paoni, Nicholas F.
                                                                                                                                                                                                                                             Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Roy, Margaret Ann
                                                                                                                                                                                                                         Gerber, Hanspeter
                                                                                                                                                                                                                                                                                                                                                                             Kljavin, Ivar J.
Mather, Jennie P.
                                               Ashkenazi, Avi
Botstein, David
                                                                                              Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                               Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                  Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
CORGANISM: Homo Sapien
US-09-903-603A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR
```

DB 3;

Score 117.4;

3.8%;

Query Match

```
4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAAGTT 526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    701 AACCTACAGGATGGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATATGTG 760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGAACTGCTCAGCCATGGGGCTCACCTGGTGGTTATCAACTCACAGGAGGAGCAGGAAT 481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTTCAGACCCACAAG 586
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               587 GTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGC 646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                647 ACCTAGGTGAGCCCAATCA----TTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGA 700
                                                                                                                                             128 AAACACAATGCACAGAGAGAGGATGCTTCTTCCCAAATGTTCTTATGGACTGTTGCTG 187
                                                                                                                                                                                                         227 GGATTICCATIGCACTCCTCAGIGCTIGCTTCATIGIGAGCIGIGIAGIAACTIACCATI 286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            407 CATTIGGITCCAGTIGCTACTICATTICCAGIGAAGAAGGITTGGICTAAGAGGIGAGC 466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 362 ATTTTCAATCCAGCTGCTACTTCTTTTTTACACCATTTCCTGGGCGTTAAGTTTAA 421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          542 regaegereagiegeaaregeregaegeaeaeaeaerringaeaaagrerengagerrerege 601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        602 argitaceceaecceaecaraceracerecaeceres 661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                662 CAAACCCAAGGCAAAATTGGAATGATGTAACCTGTTTCCTCAATTATTTTCGGATTTGTG 721
                                                                                                                                                                                                                                                                                                                                287 TTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCA 346
                                                                                                                                                                                                                                                                                                                                                                                         248 retricaaacergigagaaaaagri---reageracegaaariticacagagerer 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                       347 CCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCCAGCTTCTTGGAAGT 406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             305 ccriecracaarraresarca---esrrcaercaasaarrerrerecarreaacressaar 361
                                                                                                                                                                                                                                                                    482 rccrirccracaagaaaccraaaargagagagrirrrrrarrggacrercagacrag
                                                                                       170 AACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCC---TGAGACTCTGGTCTGTGGCTG
                               Gaps
                               15;
Pred. No. 2.6e-16;
0; Mismatches 261; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 376, Application US/09904920A Patent No. 6806352 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
Pan, James
Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gerber, Hanspeter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gerritsen, Mary E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Fong, Sherman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGATG 765
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          722 AAATG 726
```

```
APPLICANT: Williams, Daniel
TITLE OF INVENTION: Acids Encoding the Same
CURRENT APPLICANTON: Acids Encoding the Same
FILE REFERENCE: 1046-61.
FRIOR PAPLICATION NUMBER: PCT/0800/04414
REIOR APPLICATION NUMBER: PCT/0800/04414
REIOR APPLICATION NUMBER: PCT/0800/04414
REIOR APPLICATION NUMBER: OF CT/0800/04414
REIOR APPLICATION NUMBER: US 60/145,698
REIOR APPLICATION NUMBER: US 60/146,222
REIOR APPLICATION NUMBER: US 60/146,222
REIOR APPLICATION NUMBER: PCT/0809/20594
REIOR PLING DATE: 1999-09-13
REIOR PLING DATE: 1999-09-15
REIOR APPLICATION NUMBER: PCT/0809/20594
REIOR PLING DATE: 1999-09-15
REIOR PELING DATE: 1999-10-28
REIOR REILING DATE: 1999-10-28
REIOR PELING DATE: 1999-10-25
REIOR PELING DATE: 1999-10-25
REIOR PELING DATE: 1999-11-29
REIOR PELING DATE: 1999-11-29
REIOR PELING DATE: 1999-11-29
REIOR PELING DATE: 1999-11-20
REIOR PELING DATE: 1999-11-20
REIOR APPLICATION NUMBER: PCT/0899/20095
REIOR PELING DATE: 1999-12-20
REIOR APPLICATION NUMBER: PCT/0899/20095
REIOR PELING DATE: 1999-12-20
REIOR PELING DATE: 1999-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    128 AAACACAATGCACAGAGAGAGGATGCTTCTCTCCCAAATGTTCTTATGGACTGTTGCTG 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              188 GGATCCCCATCCTATTTCTCAGTGCCTGTTTCATCACCAGATGTGTTGTGACATTTCGCA 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GGATITICCATIGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACTTACCATT 286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   287 TIACAIAIGGIGAAACIGGCAAAAGGCIGICIGAACIACACICAIAICAIITCAAGICICA 346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        248 rctttchaacctgtgargarahahagtr---rchgcracagahrtrchchgagcrcr 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            347 CCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCAGCTTCTTGGAAGT 406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CCTGCTACAATTATGGATCA---GGTTCAGTCAAGAATTGTTGTCCATTGAACTGGGAAT 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  407 CATTIGGTICCAGTIGCTACTICATTICCAGIGAAGAAGGTITGGTCTAAGAGIGAGC 466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   170 AACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCC---TGAGACTCTGTGGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 3; Length 997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 117.4; DB 3;
Pred. No. 2.6e-16;
0; Mismatches 261;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 3.8%;
Best Local Similarity 54.4%;
Matches 329; Conservative
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
CRGANISM: Homo
US-09-904-920A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
```

422 AGAACTGCTCAGCCATGGGGGCTCACCTGGTGGTTATCAACTCACAGGAGGAGGAGTAT 481 587 GTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGC 646 542 TCGAGGGTCAGTGGCAATGGGTGGACGCCACTTTGACAAAGTCTCTGAGCTTCTGGG 601 527 TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAAG 586 647 ACCTAGGTGAGCCCAATCA----TTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGA 700 701 AACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATATGTG 760 662 CAAACCCAAGGCAAATTGGAATGTAAGTTTACCTGTTTCCTCAATTATTTTCGGATTTGT 721 362 ATTTTCAATCCAGCTGCTACTTCTTTTCTACTGACACCATTTCCTGGGCGTTAAGTTTAA 421 602 Argradededeceaacaacarageraceredadeaacrerececereaagaererr 661 467 AGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAGTA Search completed: March 28, 2006, 11:55:34 Job time : 558.874 secs 761 AGATG 765 722 AAATG 726 용 qq 셤 셤 ò à ò 셤 ò ò ò

(eff88) **XMAJ8** 30A9 SIHT

119, App 39, Appl 39, Appl 18, Appl 18, Appl 10, Appl 10, Appl 11, Appl 931, Appl 931, Appl 1175, Appl 1175, Appl 29, Appl 29, Appl

```
Sequence 3, Application US/08772440
Sequence 1, Application US/08772440
Patent No. 6046158
CENERAL INFORMATION:
APPLICANT: Atlizumi, Kiyoshi
APPLICANT: Takashima, Akira
TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
TITLE OF INVENTION: THEROF
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10 GAGCAGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCCTGAGACTCTGGTCTGTG
                                                                                                                Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                    Sequence
Sequence
Sequence
Sequence
                                  Sequence
Sequence
Sequence
                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                         Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
Sequence
        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1227;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 59.5%; Score 373.2; DB 3; Length 3 Best Local Similarity 76.1%; Pred. No. 1e-108; Matches 475; Conservative 0; Mismatches 143; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER KEADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PARTICATION DATA:
APPLICATION NUMBER: US/08/772,440
FILLING DATE: CONCURRENTLY HEREMITH
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: PRAFE, David L.
REGISTRATION NUMBER: UTXD:493
TELEPHONE: 512/44-757
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTER STICS:
LEMETHAL 1227 base pairs
TYPE: NUCLEIC acid
STRANDEDNESS: single
US-08-772-440-33

US-08-742-847-51

US-08-742-440-41

US-08-772-440-39

US-08-772-440-38

US-08-772-440-38

US-08-772-440-18

US-09-949-016-4090

US-09-949-016-4090

US-09-949-016-33

US-09-949-016-331

US-09-949-016-331

US-09-949-016-329

US-09-799-451-175

US-09-799-451-175

US-09-222-575-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-620-405B-29
US-09-339-338-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy di
                                                            116
2059
101
                                                                                                                                          92
2318
                                                                                                                                                                                                84
10409
1348
1348
1756
763
871
1271
1271
1271
1364
2291
832
301
301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 1
US-08-772-440-3
                                                                                                                                          O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              120, App
698, App
7, Appli
7, Appli
376, App
                                                                                                                                                                                     March 28, 2006, 08:19:14; Search time 112.126 Seconds (without alignments) 9939.997 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20, A
Sequence 22, A
Sequence 1, Ap
Sequence 120,
Sequence 698,
Sequence 698,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 7, Ap. Sequence 376, Sequence 40, Ap. Sequence 40,
                                                                                                                                                                                                                                                                                                                                                               1 atgatgcaagagcagcaacc......agatgaataagatttaccta 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 3
                               5.1.7
Biocceleration Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2606114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /cgn2_6/ptcdata/1/ina/1_COMB.seq:*
/cgn2_6/ptcdata/1/ina/5_COMB.seq:*
/cgn2_6/ptcdata/1/ina/6A_COMB.seq:*
/cgn2_6/ptcdata/1/ina/6B_COMB.seq:*
/cgn2_6/ptcdata/1/ina/H_COMB.seq:*
/cgn2_6/ptcdata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptcdata/1/ina/PP_COMB.seq:*
/cgn2_6/ptcdata/1/ina/PP_COMB.seq:*
/cgn2_6/ptcdata/1/ina/PP_COMB.seq:*
/cgn2_6/ptcdata/1/ina/RE_COMB.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-772-440-3
US-08-772-440-20
US-08-111-470-1
US-09-111-470-1
US-09-111-470-1
US-09-111-470-1
US-09-111-470-7
US-09-111-470-7
US-09-111-470-7
US-09-101-434-376
US-09-905-125A-376
US-09-905-775A-376
US-09-905-775A-376
US-09-906-00-376
US-09-906-00-376
US-09-906-00-376
US-09-906-00-376
US-09-906-018-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1303057 segs, 888780828 residues
                            GenCore version
Copyright (c) 1993 - 2006
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                       nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Issued Patents NA:*
                                                                                                                                                                                                                                                                                                  US-09-766-511B-52
627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 seq length: 0
seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1271
.334
1418
1418
997
997
997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9997
9997
9997
1145
                                                                                                                                                                                                                                                                                                     Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                   Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              192
161.6
134
134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
1117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117.4
117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           117.4
117.4
117.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Minimum DB
Maximum DB
                                                                                                                                       OM nucleic
                                                                                                                                                                                                                                                                                                                                                               Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Database
                                                                                                                                                                                              Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Result
```

69

Gapa

9

```
140 GCTGCTACCTCATTTCTACCAAGAGAACTTCTGGAGCACCAGTGAGCAGAACTGTGTTC 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   200 AGATGGGGGCTCATCTGGTGATGATGTTGAAGCGGAGCAGAATTTCATCACCCAGC 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GTTGCTACTTCATTTCCAGTGAAGAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTG 325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Agcreaardacteacrirerracrirecresererriresaarecaeaageaaageaaaa 319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     566 GGAATGATGTTATCTGTGAAACTAGAAGTTCAATATGTGAGATGAATAAGATTTACC 625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-080-72-440-22
US-080-72-440-22
Sequence 22, Application US/08772440
Sequence 22, Application US/0877240
Sequence 22, Application US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GGCAATGGATTGATAAGACACCTTATGAGAAAATGTCAGATTTTTGGCACCTAGGTGAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          320 GGCAATGGATGGATGATACTCCTTTCAGTCAAAATGTCAGGTTCTGGCACCCCCATGAAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20 GTAGAAGACTATATGAACTTCACACATACCATTCCAGTCTCACCTGCTTCAGTGAAGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CAAAGGTGCCAG-----CCTGGGGATGTTGCCCCAGCTTCTTGGAAGTCATTTGGTTCCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AGCTGAATGAGTCATTTTCTTATTTTCTGGGCTTTTCAGACCCACAAGGTAATAATAATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ccaarcriccagaagagggggggggggriricaaragririacriggaarccrircgaaarggggcr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AGATGGGAGCACATTTGGTTGTTCAACACAGAAGCAGAGCAGAATTTCATTGTCCAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CCAATCATTCTGCAGGGAATGTGCTTCAATAGTCTTCTGGAAACCTACAGGATGGGGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                             152 GCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCACCTGCTTCAGTGAAGGGA
                                                                                                                                                                                                                                                                                                                                                                                                          Gapa
                                                                                                                                                                                                                                                                                                                                                                                                          9
                                                                                                                                                                                                                                                                                                                                                     Length 501;
                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                          98;
                                                                                                                                                                                                                                                                                                                                                     DB 3;
                                                                                                                                                                                                                                                                                                                                                     48.4%; Score 303.2; DB 3 78.4%; Pred. No. 1.5e-86; tive 0; Mismatches 98
32,165
op. UTXD:493
  REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTXI
REFERENCE/DOCKET NUMBER: UTXI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/418-3000
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACIERISTICS:
                                                                                                                                                                                      LENGTH: 501 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                          Matches 378; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 77210
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                                                                                                                                                                                                       ; TOPOLOGY: linear
US-08-772-440-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Houston
STATE: Texas
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ь.о.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TA 501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  566
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           446
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         326
                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20, Application US/08772440
Patent No. 6646158
GENERAL INFORMATION:
APPLICANT: Takashima, Akira
APPLICANT: Takashima, Akira
TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
TITLE OF ENVENTION: THEREOF
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  568
  GTGCAGGAAAGACAATCCCAAGGGAAGGGAGTCTGCTGGACCCTGAGACTCTGGTCAGCT 208
                                                                                                                                   ścigrakiriccargrzacrcrigagraccigrircariccaagcigraficardacrtac 268
                                                                                                                                                                                              243
                                                                                                                                                                                                                                                                                                                                                        388
                                                                                                                                                                                                                                                                                                                                                                                                             244 TCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAAGGTTTGGTCT 303
                                                                                                                                                                                                                                                                                                                                                                                                                                            389 CACTGGAAGTCATTTGGCTCCAGCTGCTACCTCATTTCTACCAAGGAAGAACTTCTGGAGC 448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     304 AAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCA 363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          508
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            628
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TGGAATCCTTCGAAATGGGGCTGGAATGATGTTTCTGTGATAGTAAAACACAATTCAATA 748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GCTGGGATTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAACTTAC
                                                                                                                                                                                                                                                                                                      CTCACCTGCTTCAGTGAAAGGACAAAGGTGCCAG-----CCTGGGGATGTTGCCCAGCT
                                                                                                                                                                                                                                                                                                                                       449 ACCAGTGAGCAGAACTGTGTTCAGATGGGGGCTCATCTGGTGGTGATCAATACTGAAGCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTTCTTATTTTCTGGGGCTTTTCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GAGCAGAATTTCATCACCCAGCAGCTGAATGAGTCACTTTCTTACTTCCTGGGTCTTTCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GATCCACAAGGTAATGGCAATGGCAATGGATCGATGATACTCCTTTCAGTCAAAATGTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TGGAAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATA
                                                                                                                                                                                                                                           caartratrategaccagccagragagacrarargaacrrcacacaraccarrccagr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GACCCACAAGGTAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGTGCTTCAATAGTCTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Houston
STATE: F.V. BOX 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IB PC Compatible
COMPUTER: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/772,440
FILING DATE: CONCURRENTLY HEREWITH
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TGTGAAATGAAGAAGATTTACCTA 772
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                604 TGTGAGATGAATAAGATTTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Arnold, White & Durkee STREET: P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-772-440-20
                                                                                                                                                                                              130
                                                                                                                                                                                                                                                                                                   190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    509
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      749
                                 149
                                                                                    70
                                                                                                                                         209
                                                                                                                                                                                                                                                269
                                                                                                                                                                                                                                                                                                                                                           329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  364
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                    ઠે
                                                                                                                                   셤
                                                                                                                                                                                              ઠ
                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                  원
                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                       엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             d
```

265 139

79

385

445

505

439

499

USES

```
777 TIGHTCAGACACCATACAATGAAGTTCCACATTCTGGCATCCACGTGAGCCCAGTGATC 836
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   215 AGGIGCCAGCCTGGGGATGTTGCCCCAGCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACT 274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 537 AAGAGACAGCCIGGAGCIGITGCCCAAAGAATIGGAAGICATITAGITCCAACIGCIACI 596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   275 TCATTICCAGTGAAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAG 334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    597 TTATTTCTACTGAATCAGCATCTTGGCAAGACAGTGAGAAGGACTGTGCTAGAATGGAGG 656
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CACATITGGITGIGIICAACACAGAGCAGAGCAGAATITCAIIGICCAGCAGCIGAAIG 394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTGCAGAGCAATGTGCTTCAATAGTCTTCTGGAA---ACCTACAGGATGGGGCTGGAATG 571
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        395 AGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAAGGTAATAATAATTGGCAATGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       717 AAGAATCTGCTTATTTTGTGGGGCTCTCAGATCCAGAAGGTCAGGACATTGGCAATGGG 776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            837 CCAATGAGCGCTGCGTTGTGCTAAATTTTCGTAAATCACCCAAAAGATGGGGCTGGAATG 896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TTGATAAGACACCTTATGAGAAAATGTCAGATTTTTGGCACCTAGGTGAGCCCAATCATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             572 ATGTTATCTGTGAAACTAGAAGGAATTCAATATGTGAGATGAATAAGATTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         897 Archiaanicicurcatecrcaaaccicacrisicacaagancaacahcacria 952
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <u>ب</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; DB 3; Length 1104; 7.7e-51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches 130; Indels
                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/111,470 FILING DATE: 08-JUL-1998 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30.6%; Score 192;
68.0%; Pred. No. 7
                                                                                                                                                                                                                                                                                                                                 PRICE APPLICATION DATA:
APPLICATION NUMBER: US 60/053,080
FILING DATE: 09-UUL-1997
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: SF0695
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1, Application US/09862802A; Patent No. 6756478; GENERAL INFORMATION:
                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: (650)852-9196
TELEFAX: (650)852-9100
INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 1104 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 68.0
Matches 283; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                     ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          242..952
                                            California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
                    Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                , NAME/KEY:
; LOCATION:
US-09-111-470-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 5
US-09-862-802A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61 TTCTGGAGCACCAGTGAGCAGAACTGTGTTCAGATGGGGGCTCATCTGGTGGTGATCAAT 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  241 CAAAATGTCAGGTTCTGGCACCCCATGAACCCAATCTTCCAGAAGAGGGGTGTGTTTCA 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             235 TGCCCAGCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAGAAG 294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                295 GTTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAAC 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   355 ACAGAAGCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTG 414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ACTGAAGCGGAGCAGAATTTCATCACCCAGCAGCTGAATGAGTCACTTTCTTACTTCCTG 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   415 GGGCTTTCAGACCCACAAGGTAATAATTGGCAATGGATTGATAAGACACCTTATGAG 474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   475 AAAAATGICAGATTITGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGTGCTTCA 534
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   535 ATAGTCTTCTGGAAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGG 594
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    301 ATAGTTTACTGGAATCCTTCGAAATGGGGCTGGAATGATGTTTTCTGTGATAGTAAACAC 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 recechantenerisanstrantraserechseracerentareracenassane 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 393;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               83; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Bates, Elizabeth E.M.
APPLICANT: Bates, Elizabeth E.M.
APPLICANT: Saeland, Sem
APPLICANT: Baeland, Sem
APPLICANT: Lebecque, Serge J.E.
TITLE OF INVENTION: Mammalian Membrane Protein Genes;
TITLE OF INVENTION: Related Reagents
NOMBER OF SEQUENCES: 11
ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/772,440
FILING DATE: CONCURRENTLY HEREWITH
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: PATECT, DAVId L.
REGISTRATION NUMBER: UTXD:493
TELEPHONE: $12/418-3000
TELEPHONE: $12/418-3000
TELEFENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
LENGTH: 393 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 260.2; DB 3;
Pred. No. 7.4e-73;
0; Mismatches 83;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        595 AATTCAATATGTGAGATGAATAAGATTTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AATTCAATATGTGAAATGAAGAAGATTTACCTA 393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Valladeau, Jenny
Ravel, Odile
Bates, Elizabeth E.M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1, Application US/09111470
Patent No. 6277959
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 78.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches 310; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TOPOLOGY: linear
US-08-772-440-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-111-470-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       361
```

8 셤 ò 셤 ð a 8 d ò 엄 ð g 8 Gaps

ë,

```
537 AAGAGACHGCTGGTTGCCCAAAGAATTGGAAGTCATTTAGTTCCAACTGCTACT 596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          335 CACATTIGGTIGIGTICAACACAGAAGCAGAGCAGAATTICATTGTCCAGCAGCTGAATG 394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       657 crchccrigcrigaraaacacrcaagaagagcagaarrrcarcriccagaarcrigcaag 716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         395 AGTCATTTTCTTATTTTCTGGGGCTTTTCAGACCCACAAGGTAATAATTGGCAATGGA 454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               777 ITGAICAGACACCATACAAGAAGITCCACATICIGGCATCCACGIGAGCCCAGTGAIC 836
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               837 ccaardadecerideciracriaaaritiresraaareeceaaaadardaddeeciddaard 896
                                                                                                                                                                                                                                                                                                                                                                                                                              275 TCATTTCCAGTGAAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTGAGATGGGAG 334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              597 tratritcracrigaarcagcarcritgcaagacagigagaaggacrergcragaarggagg 656
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TIGATAAGACACCITAIGAGAAAAIGICAGATITIGGCACCIAGGIGAGCCCAAICAIT 514
                                                                                                                                                                                                                                                                                                                                    215 AGGIGCCAGCCIGGGGAIGITGCCCAGCTTCTTGGAAGICATTTGGTTCCAGTTGCTACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CTGCAGAGCAATGTGCTTCAATAGTCTTCTGGAA---ACCTACAGGATGGGGCTGGAATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 897 ArgiraarricicurgereereaaAggicacirricigaGargargaAgareeacria 952
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    572 ATGTTATCTGTGAAACTAGAAGGAATTCAATATGTGAGATGAATAAGATTTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FOR THE DETECTION OF SIGNALING
                                                                                                                                                                                                                                          Length 1271;
                                                                                                                                                                                                                                   Query Match
30.6%; Score 192; DB 3; Length 12
Best Local Similarity 68.0%; Pred. No. 8.2e-51;
Matches 283; Conservative 0; Mismatches 130; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 698, Application US/09016434

Patent No. 6500938

GENERAL INFORMATION:

APPLICANT: Janice Au-Young

APPLICANT: Janice Au-Young

APPLICANT: Janice Au-Young

TITLE OF INVENTION: COMPOSITION FOR THE DETECTI

TITLE OF INVENTION: APTHWAY GENE EXPRESSION

NUMBER OF SEQUENCES: 1490

CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
PRIOR APPLICATION NUMBER: 60/231,401
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 10823
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 120
LENGTH: 1271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: PALO ALTO STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: HI
                                                                                                                                                                    ORGANISM: Human
US-09-949-002-120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-016-434-698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            515
                                                                                                                                                TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                    용
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 120, Application US/09949002

Patent No. 6900016

GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
FILE REFERENCE: CL000790
CURRENT APPLICATION NUMBER: US/09/949,002
CURRENT FILING DATE: 2000-01-28
                                                                                            APPLICANT: Lebecque, Serge J.E.
APPLICANT: Saeland, Sem
TITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes; Related Reagents
FITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes; Related Reagents
FILE REFERENCE: SF0655 B
CURRENT APPLICATION NUMBER: US/09/862,802A
CURRENT FILING DATE: 1097-07-09
PRIOR PILING DATE: 1997-07-09
PRIOR FILING DATE: 1997-07-09
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ. ID NOS: 13
SOFTWARE: Patentin version 3.1
SEQ. ID NO. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CCAATGAGCGCTGCGTTGTGCTAAATTTTCGTAAATCACCCCAAAAGATGGGGCTGGAATG 896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               215 AGGIGCCAGCCIGGGGAIGIIGCCCAGCTICTIGGAAGICATTIGGIICCAGTIGCTACT 274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TCATTTCCAGTGAAGAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTTGAGATGGGAG 334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           597 tratrircracridaarcagcarcridgcaagacagicagaagagagigigcigciagaargaaga 656
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       657 crcaccriscrisaraaacacrcaasaasascacarrircarcriccasaarcriscaas 716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAAGGTAATAATAATTGGCAATGGA 454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    717 AAGAATCTGCTTATTTTTGTGGGCTCTCAGATCCAGAAGGTCAGCGACATTGGCAATGGG 776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TTGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGCACCTAGGTGAGCCCAATCATT 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CTGCAGAGCAATGTGCTTCAATAGTCTTCTGGAA---ACCTACAGGATGGGGCTGGAATG 571
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       537 AAGAGACAGCCTGGAGCTGTTGCCCAAAGAATTGGAAGTCATTTAGTTCCAACTGCTACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CACATTTGGTTGTTCAACACAGAGCAGAGCAGAATTTCATTGTCCAGCAGCTGAATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  572 ATGTTATCTGTGAAACTAGAAGGAATTCAATATGTGAGATGAATAAGATTTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 192; DB 3; Length 1104;
Pred. No. 7.7e-51;
0; Mismatches 130; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: mammalian nucleic acid and protein
                             Ravel, Odile
Bates, Elizabeth Ester Mary
Ford, John
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30.6%;
       Valladeau, Jenny
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 68.0 Matches 283; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; NAME/KEY: CDS
; LOCATION: (242)..(952)
; OTHER INFORMATION:
US-09-862-802A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-949-002-120
                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 1104
                             APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        455
                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
```

```
222 AGCCTGGGGATGTTGCCCAGCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTC 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     584 AGICIGGAGCIGITGCCCAAAGGATIGGAGGCIATITGGIICCCACIGCIACTIGGIICC 643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          282 CAGTGA-----AGAGAAGGITIGGICIAAGAGIGAGCAGAACIGIGITIGAGAIGGGAGC 335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      644 CACAGITICTICATCAGCAICTIGGAACAAGAGIGAGGAGAACIGCICCCGCAIGGGIGC 703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     336 ACATTTGGTTGTGTCACACACAGAAGCAGAATTTTCATTGTCCAGCAGCTGAATGA 395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 764 rcargcigcirarriraraddgirgiggarac---Aggccarggcaarggcaargggr 820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TGATAAGACACCTTATGAGAAAATGTCAGATTTTTGGCACCTAGGTGAGCCCAATCATTC 515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             516 TGCAGAGCAATGTGCTTCAATAGTCTTCTGGAAACCTACAGGATGGGGCTGGAATGATGT 575
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                396 GTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAAGGTAATAATAATTGGCAATGGAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        576 TATCTGTGAAACTAGAAGGAATTCAATATGTGAGATGAATAAGATTTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          941 CTCTTGCAGTCTTAAACAGAGTCAGTTTGTCAGATGAAGAAATAAACTTA 992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 134; DB 3; Length 1418;
Pred. No. 3e-32;
0; Mismatches 150; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION: 1348
OTHER INFORMATION: /note= "poly-A addition motif"
                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER:
ILING DATE: 09-JUL-1997
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: SF0695
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)496-1200
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1418 base pairs
TYPE: nucleic acid
STRANDENNESS: single
TOPOLOGY: 1 linear
MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 7, Application US/09862802A
Patent No. 6756478
GENERAL INPORMATION:
APPLICANT: Valladeau, Jenny
APPLICANT: Ravel, Odile
APPLICANT: Bases, Blizabeth Ester Mary
APPLICANT: Bress, Blizabeth Ester Mary
APPLICANT: Ford, John
APPLICANT: Lebecque, Serge J.E.
                                    US/09/111,470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
21.4%;
Best Local Similarity 61.4%;
Matches 253; Conservative C
                                                          08-JUL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc_feature
   CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CDS
279..992
                                    APPLICATION NUMBER:
FILING DATE: 08-JU
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-862-802A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-111-470-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       456
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ሯ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           262 TCCAGTTGCTACTTCCAGTGAAGAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGT 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      322 GTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATTTCATTGTC 381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    64 referencedesecreatereseserateareacaccassaaaaacassarreareare 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             382 CAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAAGGTAATAAT 441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              124 cagaarcigaaaagaaarrcincirarrinciggggcigicagarccaggggggrcggg 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     184 CATTGGCAATGGGTTGACCAGACACCATACAATGAAATGTCACATTCTGGCACTCAGGT 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GAGCCCAATCATTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGAAACCTACAGGATGG 561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                244 GAACCCAATAACCTTGATGAGCGTTGTGCGATAATAATTTTCCGTTCTTCAGAAGAATGG 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 rcragrigcracritarrircracriggarigcaarcrirgacraagagricaaaagaacrgr 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       442 AATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGCACCTAGGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 3; Length 334;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Valladeau, Jenny
APPLICANT: Ravel, Odile
APPLICANT: Ravel, Odile
APPLICANT: Bates, Elizabeth E.M.
APPLICANT: Ford, John
APPLICANT: Saeland, Sem
APPLICANT: Lebecque, Serge J.E.
TITLE OF INVENTION: Mammalian Membrane Protein Genes,
TITLE OF INVENTION: Related Reagents
TITLE OF INVENTION: Adalted R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 25.8%; Score 161.6; DB 3; Length Best Local Similarity 68.4%; Pred. No. 2.2e-41; Matches 221; Conservative 0; Mismatches 102; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                      PA-0002 US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     562 GGCTGGAATGATGTTATCTGTGA 584
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       304 decredaarnacarreacrerea 326
                  NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-00
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR ESQ ID NO: 698:
SEQUENCE CHARACTERISTICS:
LENGTH: 334 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-111-470-7; Sequence 7, Application US/09111470; Patent No. 6277959
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LIBRARY: EOSIHET02
CLONE: 288246
                                                                                                                                                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: line IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-016-434-698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              502
```

g

ò 셤

ઠે

셤 ò 원 8 g ò 셤 ઠે

```
128 AAACACAATGCACAGAGAGGATGCTTCTCTTCCCAAATGTTCTTATGGACTGTTGCTG 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GGATTICCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTAGTAACTTACCATT 133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17 AACCTCAAAGTACAGAGAAAAAGAGGCTGGTTGTCCC---TGAGACTCTGGTCTGTGGCTG 73
                                                                                                                                                                                                                                                                                                                                         APPLICANT: Stewart, Timothy A. APPLICANT: Stewart, Timothy A. APPLICANT: Tumas, Daniel APPLICANT: Tumas, Daniel APPLICANT: Wood, Williams, P. Mickey APPLICANT: Wood, Williams, I. TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic FILE OF INVENTION: Acids Encoding the Same FILE REFERENCE: 10466-11 CURRENT APPLICATION NUMBER: US/09/907,794A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 117.4; DB 3; Length 997;
Pred. No. 5e-27;
0; Mismatches 261; Indels 15.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT AFFLING DATE: 2010-07-17
PRIOR APPLICATION NUMBER: DECT/USOO/04414
PRIOR PILING DATE: 2000-02-2
PRIOR FILING DATE: 1999-07-07
PRIOR PILING DATE: 1999-07-07
PRIOR PILING DATE: 1999-07-26
PRIOR PILING DATE: 1999-07-28
PRIOR PILING DATE: 1999-07-28
PRIOR PILING DATE: 1999-07-28
PRIOR PILING DATE: 1999-09-08
PRIOR PILING DATE: 1999-09-08
PRIOR PILING DATE: 1999-09-08
PRIOR PILING DATE: 1999-09-13
PRIOR PILING DATE: 1999-09-13
PRIOR PILING DATE: 1999-09-13
PRIOR PILING DATE: 1999-09-15
PRIOR PILING DATE: 1999-10-05
PRIOR PILING DATE: 1999-10-05
PRIOR PILING DATE: 1999-10-05
PRIOR PILING DATE: 1999-11-29
PRIOR PILING DATE: 1999-11-29
PRIOR PILING DATE: 1999-11-29
PRIOR PILING DATE: 1999-11-20
PRIOR PILING DATE: 1999-11-20
PRIOR PILING DATE: 1999-11-20
PRIOR PILING DATE: 1999-12-02
PRIOR PILING DATE: 1999-12-06
PRIOR PILING DATE: 1999-12-07
                                                                                                                      Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 18.7%;
Best Local Similarity 54.4%;
Matches 329; Conservative
                                                                                                                                                                                   Gurney, Austin L.
Hillan, Kenneth, J
Kljavin, Ivar J.
Mather, Jennie P.
Pan, James
                                                                                                                                                                                                                                                                                                                                      Paoni, Nicholas F.
Roy, Margaret Ann
                                   Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Homo Sapien
US-09-907-794A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        74
                                                                                                                         APPLICANT:
APPLICANT:
                                                                                                                                                                                         APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
APPLICANT: Saeland, Sem
TITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes; Related Reagents
FILE REPERENCE: 876095 B
CURRENT APPLICATION NUMBER: US/09/862,802A
CURRENT FILING DATE: 2001-05-22
FRIOR PEPLICATION NUMBER: US 60/053,080
PRIOR FILING DATE: 1997-07-09
PRIOR FILING DATE: 1998-07-08
NUMBER OF SEQ ID NOS: 13
SOFTWARE: Patentin version 3.1
SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     881 CAATGAAAATGTGCTACAATAATTTACCGTTGGAAGACTGGATGGGGCTGGAACGATAT 940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            584 AGTCTGGAGCTGTTGCCCAAAGGATTGGAGGCTATTTGGTTCCCACTGCTACTTGGTTCC 643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            282 CAGTGA-----AGAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTGAGATGGGAGC 335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      336 ACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGA 395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         704 TCATCTAGTGGTGATCCAAAGCCAGGAAGAGGGATTTCATCACGGATCTTGGACAC 763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  764 rcargcigcirarirraraciócrigiggáarac---agáccarcagcaardacaardagr 820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  456 TGATAAGACACCTTATGAGAAAATGTCAGATTTTGGCACCTAGGTGAGCCCAATCATTC 515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            821 TGATCAGACACCATATGAAGAAGTATCACATTCTGGCACAATGGTGAGCCCAGCAGTGG 880
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         516 TGCAGAGCAATGTGCTTCAATAGTCTTCTGGAAACCTACAGGATGGGGGCTGGAATGATGT 575
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      222 AGCCTGGGGATGTTGCCCCAGCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      396 GTCATTTTCTTATTTTCTGGGGCTTTCAGACCCAAAGGTAATAATAATTGGCAATGGAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         941 crcridcagrcrihaakcadakgrickgririgicadardakdakahaakrira 992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  576 TATCTGTGAAACTAGAAGGAATTCAATATGTGAGATGAATAAGATTTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 21.4%; Score 134; DB 3; Length 1418; Best Local Similarity 61.4%; Pred. No. 3e-32; Matches 253; Conservative 0; Mismatches 150; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: mammalian nucleic acid and protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: CDS
LOCATION: (279)..(992)
OTHER INFORMATION: protein coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
NAME/KEY: misc_feature
LOCATION: (1348)
OTHER INFORMATION: poly-A addition motif
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 376, Application US/09907794A Patent No. 6635468 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ferrara, Napoleone
Filvaroff, Ellen
Fong, Sherman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Besnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleon
APPLICANT: Fivaroff Ellen
APPLICANT: Fivaroff Ellen
APPLICANT: Fivaroff Ellen
APPLICANT: Fivaroff Ellen
                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -09-907-794A-376
                                                                                                                                                                                                                                                                                                                                                                               1418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-862-802A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                   LENGIH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ଚ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
```

Gaps

```
GGATTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACTTACCATT 133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCA 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CCTGCTTCAGTGAAGGACAAAGGTGCCAGCTGGGGATGTTGCCCAGCTTCTTGGAAGT 253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CATTIGGITCCAGITGCTACTICATTICCAGIGAAGAGAAGGITTGGICTAAGAGIGAGC 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      rcttrcaaaccrgrgaagaaaaarr---rcagcraccrgagaarrrcacagagcrcr 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ccrecracaarraredarca - - egrrcagrcaagaarrerrerccarreaacregeaar 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTITICAATCCAGCTGCTACTTCTTTTCTAGACACCATTTCCTGGGCGTTAAGTTTAA 421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGAACTGCTCAGCCATGGGGGCTCACCTGGTGGTTATCAACTCACCAGGAGGAGCAGGAAT 481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTTTGGGGCTTTCAGACCCACAAG 433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17 AACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCC---TGAGACTCTGGTCTGTGGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18.7%; Score 117.4; DB 3; Length 997; 54.4%; Pred. No. 5e-27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IndelB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         261;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                   PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR PELING DATE: 1999-07-07
PRIOR PELING DATE: 1999-07-07
PRIOR PELING DATE: 1999-07-07
PRIOR PLING DATE: 1999-07-28
PRIOR PLING DATE: 1999-07-28
PRIOR PELING DATE: 1999-07-28
PRIOR PELING DATE: 1999-09-08
PRIOR PELING DATE: 1999-09-08
PRIOR PELING DATE: 1999-09-15
PRIOR PELING DATE: 1999-10-05
PRIOR PELING DATE: 1999-11-20
PRIOR PELING DATE: 1999-12-02
PRIOR PELING DATE: 1999-12-02
PRIOR PELING DATE: 1999-12-02
PRIOR PELING DATE: 1999-12-02
PRIOR PELING DATE: 1999-12-06
PRIOR PELING DATE: 1999-12-0
                     OR APPLICATION NUMBER: PCT/UGO0/04414

OR FILING DATE: 2000-02-22

OR APLICATION NUMBER: US 60/143,048

OR FILING DATE: 1999-07-07

OR APPLICATION NUMBER: US 60/145,698

OR PILING DATE: 1999-07-28

OR PILING DATE: 1999-07-28

OR PILING DATE: 1999-07-28

OR PILING DATE: 1999-07-28

OR APPLICATION NUMBER: PCT/US99/2054

OR FILING DATE: 1999-09-13

OR PILING DATE: 1999-09-13

OR PILING DATE: 1999-09-15

OR PILING DATE: 1999-09-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches 329; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-905-125A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
     CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                          253
  GGATCCCCATCCTATTTCTCAGTGCCTGTTTCATCACCAGATGTGTTGTGACATTTCGCA 247
                                                   TTACATATGGTGAAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCA 193
                                                                                                    rctttcaaacctgtgargaaaaaagtr---rcagcraccgaaarttcacagagcrct 304
                                                                                                                                                                                                          305 CCTGCTACAATTATGGATCA---GGTTCAGTCAAGAATTGTTGTCATTGAACTGGGAAT 361
                                                                                                                                                                                                                                                              CATTTGGTTTCCAGTTGCTACTTCATTTCCAGTGAAGAAAGGTTTGGTCTAAGAGTGAGC 313
                                                                                                                                                                                                                                                                                           362 ATTITCAATCCAGCTGCTACTICTTTTCTACTGACACCATTTCCTGGGCGTTAAGTTTAA 421
                                                                                                                                                                                                                                                                                                                                                               AGAACTGTGTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATT 373
                                                                                                                                                                                                                                                                                                                                                                                                                AGAACTGCTCAGCCATGGGGGCTCACCTGGTGGTTATCAACTCACAGGAGGAGCAGGAAT 481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCCACAAG 433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            434 GTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGC 493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                542 TCGAGGGTCAGTGGCAATGGGTGGACGCCACACCTTTGACAAAGTCTCTGAGCTTCTGGG 601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ACCTAGGTGAGCCCAATCA----TTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGA 547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    602 ATGTAGGGGAGCCCAACAACATAGCTACCCTGGAGGACTGTGCCACCATGAGAGACTCTT 661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATATGTG 607
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        662 CAAACCCAAGGCAAAATTGGAATGATGTAACCTGTTTCCTCAATTATTTTCGGATTTGTG 721
                                                                                                                                                       CCTGCTTCAGTGAAGGACAAAGGTGCCAGCCTGGGGATGTTGCCCAGCTTCTTGGAAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      482 rccrirccracaagaaaccraaaargagagarrrrrrrarregacrercagaccaggre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: 10466-14 CURRENT APPLICATION NUMBER: US/09/905,125A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 376, Application US/09905125A Patent No. 6664376 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ferrara, Napoleone
Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Williams, P. Mickey Wood, William, I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Roy, Margaret Ann
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pan, James
Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AGATG 612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAATG 726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-905-125A-376
                                                                                                                                                                                                                                                           254
                                                                                                                                                                                                                                                                                                                                                               314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   494
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            722
188
                                                                                                    248
                                                                                                                                                       194
                                                                                                                                                                                                                                                                                                                                                                                                                  422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      374
                                                   134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           808
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT
                                                                                                                                                                                                     ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     요
                                                                                                    셤
                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a
                                                   ઠે
                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
```

Gaps

```
RESULT 13
US-09-906-700-376
; Sequence 376, Application US/09906700
                                                                                                                                                                                                                                                                                  Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AGATG 612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           722 AAATG 726
                                                                                                                                                                                                                                                                                    ; ORGANISM: Homo
US-09-902-775A-376
                                                                                                                                                                                                                                 SEQ ID NO 376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          494
                                                                                                                                                                                                                                                                    CYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       원
                                                                                                                                                                                                                                                                                                                                                                                                                                  임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      용
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                 547
                                                                                                 661
                                                                                                                                  607
 493
                                601
                                                                                                                                                                 662 caaacccaaggcaaarriggaargargraaccrgrrrccccaarrarrrrcggarrigig 721
                                542 TCGAGGGTCAGTGGCAATGGGTGGACGGCACACCTTTGACAAAGTCTCTGAGCTTCTGGG
                                                                 -TTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGA
                                                                                                 602 ATGTAGGGGAGCCCAACAACATAGCTACCCTGGAGGACTGTGTGCCACCATGAGAGACTCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
434 GTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTCAGATTTTTGGC
                                                                                                                                  548 AACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATATGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Actads Encoding the Same CURRENT APPLICATION NUMBER: US/09/902,775A CURRENT APPLICATION NUMBER: US/09/902,775A CURRENT FILING DATE: 2001-07-10
PRIOR PELING DATE: 2000-02-2
PRIOR PELING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR PELING DATE: 1999-07-07
PRIOR PELING DATE: 1999-07-07
PRIOR PELING DATE: 1999-07-26
PRIOR PELING DATE: 1999-07-28
PRIOR PELING DATE: 1999-09-08
PRIOR PELING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR PELING DATE: 1999-09-13
PRIOR PELING DATE: 1999-09-13
PRIOR PELING DATE: 1999-09-13
PRIOR PELING DATE: 1999-09-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: PCT/US99/23089
FILING DATE: 1999-10-05
APPLICATION NUMBER: PCT/US99/28214
FILING DATE: 1999-11-29
                                                                                                                                                                                                                                                                                                                      Application US/09902775A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Godowski, Paul J.
Grimaldi, Christopher
                                                                   ACCTAGGTGAGCCCAATCA-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Stewart, Timothy A. Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Roy, Margaret Ann
                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                         Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sherman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pan, James
                                                                                                                                                                                                  AGATG 612
                                                                                                                                                                                                                                 AAATG 726
                                                                                                                                                                                                                                                                                                                   Sequence 376, Applic
Patent No. 6686451
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                       09-902-775A-376
                                                                 494
                                                                                                                                                                                                    608
                                                                                                                                                                                                                                 722
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
                                                                                                 a
                                                                                                                                                               g
                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                   유
                                  유
                                                                 ઠે
                                                                                                                                   ઠ
     ठ
```

```
254 CATTIGGTICCAGTIGCTACTICCAGTGAAGAGAAGGTTIGGTCTAAGAGTGAGC 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAAG 433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             548 AACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATATGTG 607
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GGATTICCATTGCACTCCTCAGTGCTTGCTTCATGTGAGCTGTGTAGTAACTTACCATT 133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            248 rcttrcaaaccrgrgargagaaagrr---rcagcraccrgagaartrcacagggcrcr 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               rccrirccracaadaaaccraaaargagagarrrrrrrarrgaacrgrcagaccaggrrd 541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           542 regaggercagregehargegregacegekekerrrrgacaaagrerergagerrrerege 601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACCTAGGTGAGCCCAATCA----TTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGA 547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 662 caaacccaagcaaaatriggaatgarghaaccigiriccicaartaititggartrigig 721
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      128 AAACACAATGCACAGAGAGAGGATGCTTCTTTCCCAAATGTTCTTATGGACTGTTGCTG 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            134 TTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCA 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCCAGCTTCTTGGAAGT 253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AGAACTGTGTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATT 373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         602 argitadededececaacaraecraecraedededencidiececentoagaener 661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 188 ggarccccarccrarricrcagreccrerricarcaccagargrerrergacarrregea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ccrecracaarrargearca - - eerrcaercaagaarrereccarreaacregeaar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17 AACCTCAAAGTACAGAGAAAAAGAGGCTGGTTGTCCC----TGAGACTCTGGTCTGTGGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 117.4; DB 3; Length
Pred. No. 5e-27;
0; Mismatches 261; Indels
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR PLILING DATE: 1999-12-02
PRIOR PLILING DATE: 1999-12-02
PRIOR PLILING DATE: 1999-12-02
PRIOR PLILING DATE: 1999-12-02
PRIOR PELING DATE: 1999-12-16
PRIOR PELING DATE: 1999-12-16
PRIOR PELING DATE: 1999-12-20
PRIOR PELING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR PLILING DATE: 1999-12-20
PRIOR PLILING DATE: 1999-12-20
PRIOR PLILING DATE: 1999-12-20
PRIOR PLILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US09/00219
PRIOR PLILING DATE: 2000-01-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 54.4%;
Matches 329; Conservative
```

493

```
GGATTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACTTACCATT 133
                                                                                                                                                                                                                                               188 GGATCCCCATCCTATTTCTCAGTGCCTGTTTCATCACCAGATGTGTTGTGACATTTCGCA 247
                                                                                                                                                                                                                                                                                                 TTACATATGGTGAAAACTGGCAAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCA 193
                                                                                                                                                                                                                                                                                                                                                                                                 CCTGCTTCAGTGAAGGACAAAGGTGCCAGCCTGGGGATGTTGCCCAGCTTCTTGGAAGT 253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  254 CATTIGGITCCAGITGCTACTICATTICCAGIGAAGAAGGITTGGICTAAGAGIGAGC 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              362 ATTTTCAATCCAGCTGCTACTTTTTTTACTGACACCATTTCCTGGGCGTTAAGTTTAA 421
                                                                                                                                                                                                                                                                                                                                                  TCTTTCAAACCTGTGATGAGAAAAGTT---TCAGCTACCTGAGAATTTCACAGAGCTCT 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                ccrecracaarrargarca -- egrrcagrcaagaarrerrerecarrgaacregaar 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATT 373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAG 433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       récrirectacaagaaaceraaargagagagriririrarregacrereagacres 541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           434 GTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAATGTCAGATTTTGGC 493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            542 TCGAGGGTCAGTGGCAATGGGTGGACGGCACACCTTTGACAAGTCTCTGAGCTTCTGGG 601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        494 ACCTAGGTGAGCCCAATCA----TTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGA 547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          602 ATGTAGGGGAGCCCAACAACATAGCTACCCTGGAGGACTGTGCCACCATGAGAGACTCTT 661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           548 AACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATATGTG 607
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             662 CAAACCCAAGGCAAAATTGGAATGATGTAACCTGTTTCCTCAATTATTTTCGGATTTGTG 721
                                                                                                17 AACCTCAAAGTACAGAGAAAAAGAGGCTGGTTGTCCC---TGAGACTCTGGTCTGTGGCTG 73
                                                    Gaps
                                                 15;
18.7%; Score 117.4; DB 3; Length 997; 54.4%; Pred. No. 5e-27; ive 0; Mismatches 261; Indels 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 376, Application US/09903603A; Patent No. 6767995; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Fong, Sherman
Gao, Wei-Qiang
Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
                       Similarity 54.4 (9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              608 AGATG 612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAATG 726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 14
US-09-903-603A-376
                          Best Local Sim:
Matches 329;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     374
                                                                                                                                                                                                74
                                                                                                                                                                                                                                                                                                 134
                                                                                                                                                                                                                                                                                                                                                248
                                                                                                                                                                                                                                                                                                                                                                                                 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                   305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             722
  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT
                                                                                                                                          셤
                                                                                                                                                                                                ò
                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    윤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                 ð
                                                                                                                                                                                                                                                                                                                                                                                                 δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Wood, MILLIAM, I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same File SERRENCE: 10466-14 Same FILE OF INVENTION: Acids Encoding the Same CURRENT FILING DATE: 2000-09-18 PRIOR PELICATION NUMBER: US/09/906,700 CURRENT FILING DATE: 2000-02-22 PRIOR FILING DATE: 1999-07-07 PRIOR PELICATION NUMBER: US 60/145,698 PRIOR FILING DATE: 1999-07-07 PRIOR APPLICATION NUMBER: US 60/146,222 PRIOR PR
                                                                                                                                                                                                                                                                                                                                          Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Paoni, Nicholas F.
Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Williams, P. Mickey Wood, William, I.
                                                                                                                                                                                                                                                                                                                                                                                            Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                                                                 Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                 Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Kljavin, Ivar J.
Mather, Jennie P.
                                       APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
                                                                                                                  Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                   Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 423
SEQ ID NO 376
LENGTH: 997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
CORGANISM: Homo Sapien
US-09-906-700-376
                                                                                                                APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                                                                                                                                                                                            APPLICANT
```

607

601

```
362 ATTITCAAICCAGCIGCIACTICITITICIACIGACACCAITICCIGGGGGTIAAGIIIAA 421
                                                                                                                                                                                      662 CAAACCCAAGGCAAATTGGAATGATGTAACCTGTTTTCCTCAATTATTTTCGGATTTGTG 721
                                                                                                                                                                                                                                                                                                                                                                                                     494 ACCTAGGIGAGCCCAATCA-----TICIGCAGAGCAAIGIGCTICAAIAGICTICIGGA 547
                                                                                                                                                                                                                                                                                                                              542 TCGAGGGTCAGTGGCAATGGGTGGACGCACTTTGACAAGTCTCTGAGCTTCTGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                602 ATGTAGGGGAGCCCAACAACATAGCTACCCTGGAGGACTGTGCCACCATGAGAGAGTCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          548 AACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATATGTG
                                                                                                                                     422 agaachgerceaeccanggggegercaechgenegranteaecheaeggaggaggaan
                                                                                                                                                                                                                                          482 rccrirocracaadaaaccraaaargagagagriririrarrgacricrcagaccaggro
                                                                                                                                                                                                                                                                                                434 GTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
                                                                                    AGAACTGTGTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: PCT/USO0/04414
PRIOR PILING DATE: 2001-07-13
PRIOR PLILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR PILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR PILING DATE: 1999-07-26
PRIOR PLILING DATE: 1999-07-28
PRIOR PLILING DATE: 1999-07-28
PRIOR PLILING DATE: 1999-07-28
PRIOR PLILING DATE: 1999-09-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,920A
CURRENT FILING DATE: 2001-07-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 376, Application US/09904920A Patent No. 6806352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Godowski, Paul J.
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ferrara, Napoleone
Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Williams, P. Mickey Wood, William, I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Paoni, Nicholas F.
Roy, Margaret Ann
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gerber, Hanspeter
Gerritsen, Mary E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kljavin, Ivar J.
Mather, Jennie P.
Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ashkenazi, Avi
Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       608 AGATG 612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     722 AAATG 726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Goddard,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 15
US-09-904-920A-376
                                                                                         314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT
                                                                                                                                                                                                                                                                                                                                                    유
                                                                                                                                                                                                                                                                                                                                                                                                                                                         <del>Q</del>
                                                                                         à
                                                                                                                                          셤
                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                            d
                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                        à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                        APPLICAVI: Wood, WILLIAM, I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REPERENCE: GNE. 1618PC12
CURRENT APPLICATION NUMBER: US/09/903,603A
CURRENT FILING DATE: 2001-07-11
PRIOR PELICATION NUMBER: US/01/414
PRIOR PELICATION NUMBER: US/01/414
PRIOR PELICATION NUMBER: US/01/45,698
PRIOR FILING DATE: 1999-07-26
PRIOR FILING DATE: 1999-07-26
PRIOR FILING DATE: 1999-07-26
PRIOR FILING DATE: 1999-07-26
PRIOR FILING DATE: 1999-09-08
PRIOR PELICATION NUMBER: PCT/US99/2054
PRIOR FILING DATE: 1999-09-06
PRIOR FILING DATE: 1999-09-16
PRIOR FILING DATE: 1999-09-16
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-10-05
PRIOR FILING DATE: 1999-10-05
PRIOR FILING DATE: 1999-11-29
PRIOR PELICATION NUMBER: PCT/US99/2854
PRIOR FILING DATE: 1999-11-29
PRIOR PELICATION NUMBER: PCT/US99/2854
PRIOR PELICATION NUMBER: PCT/US99/28564
PRIOR PELICATION NUMBER: PCT/US99/28564
PRIOR PELICATION NUMBER: PCT/US99/28564
PRIOR PELICATION NUMBER: PCT/US99/30095
PRIOR PELICATION NUMBER: PCT/US99/30095
PRIOR PELICATION NUMBER: PCT/US99/30091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAACACAATGCACAGAGAGGATGCTTCTTTCCCAAATGTTCTTATGGACTGTTGCTG 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GGATTICCATIGCACTCCTCAGIGCTIGCTICATIGIGAGCTGIGIAGTAACTIACCATT 133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GGATCCCCATCCTATTTCTCAGTGCCTGTTTCATCACCAGATGTGTTGTGACATTTCGCA 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTATATCATTCAAGTCTCA 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        rcrrrcaaaccrgrgargaagaaaadrr---rcagcracgagaarrrcacagggrcr 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CCTGCTTCAGTGAAAGGTGCCAGCCTGGGGATGTTGCCCCAGCTTCTTGGAAGT 253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ccrecracaarnargaarca---eerrcagrcaagaarrerrerccarreaacregeaar 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CATTIGGTICCAGITGCIACTICATTICCAGIGAAGAAGAAGGTITGGICTAAGAGTGAGC 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17 AACCTCAAAGTACAGAGAGAAAAGAGGCTGGTTGTCCC---TGAGACTCTGGTCTGTGGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 117.4; DB 3; Length 997; Pred. No. 5e-27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches 261;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR FILING DATE: 1999-12-20
RIGH APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18.7%;
54.4%;
                                                                                                                  Williams, P. Mickey
Wood, William, I.
                                      Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 54.4
Matches 329; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-903-603A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 194
```

ઠે g ð g ઠે g ò 유 8 662 CAAACCCAAGGCAAAATTGGAATGATGTAACCTGTTTTCCTCAATTATTTTCGGATTTGTG 721

```
음
                                                                  ò
                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAACACAATGCACAGAGAGGATGCTTCTTCCCAAATGTTCTTATGGACTGTTGCTG 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17 AACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCC---TGAGACTCTGGTCTGTGGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 54.4%; Pred. No. 5e-27;
Matches 329; Conservative 0; Mismatches 261; Indels 15; Gaps
                     PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR PILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21647
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR PILING DATE: 1999-10-05
PRIOR PLING DATE: 1999-11-29
PRIOR PELING DATE: 1999-11-20
PRIOR APPLICATION NUMBER: PCT/US99/2813
PRIOR PILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR PILING DATE: 1999-12-02
PRIOR PELING DATE: 1999-12-02
PRIOR PELING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR PELING DATE: 1999-12-04
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR APPLICATION NUMBER: PCT/US99/30099
PRIOR PELING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30099
PRIOR PILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR PILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR PILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US09/00219
PRIOR PILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US09/00219
PRIOR PILING DATE: 1990-12-20
PRIOR APPLICATION NUMBER: PCT/US09/00219
PRIOR PILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
PCT/US99/20944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Homo Sapien
US-09-904-920A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
```

```
Search completed: March 28, 2006, 11:55:32
Job time : 113.126 secs
608 AGATG 612
                                                            722 AAATG 726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GGATTTCCATTGCACTCCTCAGTGCTTGCTTGTGAGCTGTAGTAACTTACCATT 133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        134 TTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCA 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCAGCTTCTTGGAAGT 253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      254 CATTIGGTICCAGTIGCTACTICATTICCAGTGAAGAAGGTTTGGTCTAAGAGTGAGC 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGAACTGTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATT 373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTTCTGGGGCTTTTCAGACCCACAAG 433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       482 recrirectacaagaaaceraaaargagagarririrarregacrereregaceagerre 541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTCAGATTTTGGC 493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ACCTAGGTGAGCCCAATCA----TTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGA 547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           548 AACCTACAGGATGGGGCTGGAATGTTATCTGTGAAACTAGAAGGAATTCAATATGTG 607
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  248 TCTTTCAAACCTGTGATGAGAAAAGTT---TCAGCTACCTGAGAATTTCACAGAGCTCT 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              305 cerecraciariarecarea -- estreastreasarrerecerreaerreses 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          362 ATTITICAATICCAGCTGCTACTTCTTTTTCTACTGACACCATTTCCTGGGCGTTAAGTTTAA 421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          422 AGAACTGCTCAGCCATGGGGGCTCACCTGGTGGTTATCAACTCACAGGAGGAGCAGGAAT 481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       542 rcgaggercagrigacaaricagrigaacagcacaccrrrrgacaaagrcrcrgagcrrcraga
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      602 ÁTGTÁGGGGÁGCCÓAACAACATAGCTACCCTGGÁGGACTGTGCCACCÁTGAGAGACTCTT 661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              494
```

셤 δ g ò Dp ð සු 8 셤 ò g ઠે a ઠે 셤 ò

THIS PAGE BLANK (USPTO)

```
Sequence 52, Appl
Sequence 91, Appli
Sequence 17, Appli
Sequence 71, Appli
Sequence 71, Appli
Sequence 61, Appli
Sequence 61, Appli
Sequence 12, Appli
Sequence 17, Appli
Sequence 19, Appli
Sequence 21, Appli
Sequence 21, Appli
Sequence 21, Appli
Sequence 17, Appli
Sequence 199, Appli
Sequence 189, Appli
                                                                                                                                                                  March 28, 2006, 08:52:44 ; Search time 452.694 Seconds (without alignments) 11453.441 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Description
                                                                                                                                                                                                                                                                                                                                                       1 atgatgcaagagcagcaacc.....agatgaataagatttaccta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Published Applications NA Main:*

1: /cgn2_6/ptodata/1/pubpna/USO7_PUBCOMB.seq:*

2: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*

3: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*

4: /cgn2_6/ptodata/1/pubpna/USO9B_PUBCOMB.seq:*

5: /cgn2_6/ptodata/1/pubpna/USO9B_PUBCOMB.seq:*

6: /cgn2_6/ptodata/1/pubpna/USIOB_PUBCOMB.seq:*

7: /cgn2_6/ptodata/1/pubpna/USIOB_PUBCOMB.seq:*

8: /cgn2_6/ptodata/1/pubpna/USIOB_PUBCOMB.seq:*

9: /cgn2_6/ptodata/1/pubpna/USIOB_PUBCOMB.seq:*

10: /cgn2_6/ptodata/1/pubpna/USIOB_PUBCOMB.seq:*
5.1.7
Biocceleration Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-766-511B-52

US-09-766-511B-51

US-10-270-470-9

US-10-270-470-9

US-09-766-511B-72

US-09-766-511B-72

US-09-766-511B-61

US-09-766-511B-61

US-09-766-511B-62

US-10-212-198-12

US-10-212-198-12

US-10-220-946-19

US-10-220-946-19

US-10-220-946-19

US-10-220-946-19

US-10-220-946-19

US-10-398-779-14

US-10-38-779-14

US-10-38-779-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9793542 seqs, 4134689005 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SUMMARIES
GenCore version
Copyright (c) 1993 - 2006
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                 nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                           IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                         US-09-766-511B-52
627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        seq length: 0
seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Maximum P
Listing 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1084.0.01
                                                                                                                                                                                                                                                                                         Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                              Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6625.4
4484.4.3
373.2
373.2
374.8
374.8
374.8
275.6
275.6
275.6
275.6
275.6
275.6
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
276.7
27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Minimum DB
Maximum DB
                                                                                                                 OM nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ••
                                                                                                                                                                                                                                                                                                                                                       Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Database
                                                                                                                                                                              Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Result
No.
```

		192	30.6	1104	٣	US-09	-862-802	2-1		Seguence	7	Appli	
	25	192	30.6	1104	æ r	US-10	US-10-829-107-1	7-1		Sequence		Appli	
		192	30.6	1271		US-10	US-10-172-118-1616	3-1616		Sequence	1616, Ap	Ap Ap	
		192	30.6	1271		US-10	-342-887	7-1616		Sequence	1616,	Αp	
υ		261	30.6	1307		US-10	-264-23	7-1248		Sequence	1248,	A.D	
		2 6	9 0	1308		118-10	262-202-	0/10		Sequence	10	1.0	
C		176	28.	582		118-10	-398-776	4-6		Segmence	A. A.	7.	
U	17	8	27.6	753		US-10	-398-775	9-6		Sequence	6. Ap	pli	
υ	16	80.	26.6	1013		US-10	-283-975	5A-883		Sequence	983	App	
υ	16	8.	26.6	1013		US-10.	-398-77	9-5		Sequence	5, Appli	pli	
	16	.2	26.0	415		us-10.	-212-198	9-1		Sequence	1, Ap	pli	
	16	9.1	25.8	334		us-10.	-305-72(0-698		Sequence	698, App	App	
	12	L. 4	24.1	558		US-10	-398-775	9-7		Sequence	7, Ap	pli	
	12	4.1	24.1	612		us-10	-492-10(6-0		Sequence	9, Ap	pli	
	15	4.	24.1	714		0S-10	-492-100	2-5		Sequence	5, Ap	p11	
	1.	۰ م	23.4	711		01-80	-492-100	11-0		Sequence		īďd	
	4.	۰ 	9.77	196	- (01-50	6//-865-0T-SO	9-11		Sednence	11, Appi	iđd	
	14	20 ·	52.6	738	00	08-10	-492-10(7'		Sequence	I, Ap	trd	
	4 -	æ •	22.5	424	m t	US-09-	US-09-918-995	5-36731		Sequence	36731, A	31, A	
	4			2	•	2				ספלתפוזכם		1	
						Æ	ALIGNMENTS	m					
RES	RESULT 1 116-06-766-6118-62	0	·										
. מ	09-766-3. emience	7 P	րոյինո	115 no. 115	60/	7665115	æ						
	Publication No. US20030170621A1	No.	. US20	0301706	21A	1	1						
	ENERAL IN	VFORM	ATION:										
	APPLICANT:	C: MC	CARTHY	MCCARTHY, Sean A	A								
. ••	APPLICANT	F. F	RASER,	Christ	ddo	er C							
•	APPLICANT	:. S	HARP,	John D									
	APPLICANT:	[: B	ARNES,	BARNES, Thomas S	S								
	APPLICANT	.: X	IRST,	Ѕивап 🛈	_								
•-	APPLICANT		YERS,	Paul S									
••	APPLICANT		RIGHTO	WRIGHTON, Nicholas	lola	m							
	APPLICANT:		CODEAR	L, Andz	ě								
••	APPLICANT		OLTZMA	N, Douglas A	las	A							
	APPLICANT	 K	HODADO	UST, Me	hra	Σ							
	TITLE OF	INVE	NTION:	NOVEL	GEN	ES ENC	AD ING PR	POTEINS	HAVING	TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC. DIAGNOSTIC.	IC. DI	AGNOSTIC	. PRE
,	TITLE OF	INVE	NTION:	THERA	PEU	LIC. AN	OF INVENTION: THERAPEUTIC, AND OTHER USES	NSES .					
. •-	ш	RENC	E: 101	47-65									
	CURRENT 7	PPLI	CATION	NUMBER	::	9//60/8	56.511B						
	CURRENT	LILIN	G DATE	2002	-05	-04							
	PRIOR API	LICA	N NOIL	UMBER:	SD	09/578,	. 063						
	PRIOR FI	UNI	DATE.	2000-05	- 24								
	PRIOR API	T.TCA	NOLL	TIMBER:	S	09/333	159						
	PRIOR FII	UNI	DATE	1999-06	1-14								
	PRIOR API	ALTCA	NOTE	TIMBER	Ĕ	19/596	194						
	TTA GOTGO	Į.	- TT40	2000-06	: :								
	DETOR ADIA	7.TC	TION N	TIMBED	1 2	09/342	164						
	TTA GOIGE	INC	TATE.	1999-06	3 5	1950							
	DRIOR APPLICATION NIMBER: 118 09/608 452	401.10	TTON.	TIMBER	i e	9/608	452						
	PRIOR FI	Z	DATE	2000-06	3 %		2						
	PRIOR API	LICA	TION	APPLICATION NUMBER: US 09/393.996	Si	09/393.	966						
٠.		ING	DATE:	FILING DATE: 1999-09-10	-10								
	PRIOR API	LICA	TION N	UMBER:	as	345,	.680						
	PRIOR FII	ING	DATE:	FILING DATE: 1999-06-30	-30								
	NUMBER OF SEQ ID NOS	SEO	ID NO	S: 85									
. •-	SOFTWARE: PatentIn version 3.1	Pat	entin	version	3.	_							
	EQ ID NO	25											
	LENGTH:	627											
٠.	TYPE: DNA	ĕ											
•-	ORGANISM: Homo sapiens	f: Ho	mo sap	iens									
110	09-766-511R-52	ם ב	·										

ö

Gapa

ô

Length 627; 0; Indels

Query Match 100.0%; Score 627; DB 3; I Best Local Similarity 100.0%; Pred. No. 1.2e-192; Matches 627; Conservative 0; Mismatches 0;

US-09-766-511B-52

ö

```
61 IGGICIGIGGCIGGGAITICCAIIGCACICCICAGGCTIGCIICAIIGIGAGCIGIGIA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                           240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             693
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           600
                                                                                                                                                                                                                                                                                                        213
                                                                                                                                                                                                                                                                                                                                                                                                                             333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                454 TCTAAGAGTGAGCAGAACTGTGTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAA
                                                                                                                                                                                                                                                                                                                                                      GTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACATAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TCTAAGAGTGAGCAGAACTGTGTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TTCTGGAAACCTACAGGGTGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCA
                                                                                                                                                                                                                                                                                            GTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTATAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                           CATTCAAGTCTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TCAGACCCACAAGGTAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GTCAGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGTGCTTCAATAGTC
                                                                                                                                                                                                                                                                         1 ATGATGCAAGAGCAGCAACCTCAAAGTACAGAGAAAAAGAGGCTGGTTGTCCCTGAGACTC
                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                              Length 3114;
                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                             Query Match 100.0%; Score 627; DB 3; Best Local Similarity 100.0%; Pred. No. 3e-192; Matches 627; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATATGTGAGATGAATAAGATTTACCTA 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          601 ATATGTGAGATGAATAAGATTTACCTA 627
PRIOR APPLICATION NUMBER: US 09/608,452
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 1009-10
PRIOR PILING DATE: 1999-09-10
PRIOR FILING DATE: 1999-06-30
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 85
SOFTWARE: Patentin version 3.1
SEQ.ID NO 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 9, Application US/10270470
Publication No. US20030162955A1
GENERAL INFORMATION:
APPLICANT: Chalus, Lionel
APPLICANT: Quan, Ahn B.
APPLICANT: Bates, Blizabeth Ester Mary
APPLICANT: Sacland, Sem
                                                                                                                                                     TYPE: DNA
CORGANISM: Homo sapiens
US-09-766-5118-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 3
US-10-270-470-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       394
                                                                                                                                                                                                                                                                                                                                                                                                    121
                                                                                                                                                                                                                                                                                                                                                                                                                                274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        574
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  634
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              694
                                                                                                                                                                                                                                                                                                                                                                                                                                                              181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       754
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                 ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 51, Application US/09766511B

Publication No. US20030170621A1

GENERAL INFORMATION:
APPLICANT: MCCARITY. Sean A

APPLICANT: FCARER, Christopher C
APPLICANT: FCARER, Christopher C
APPLICANT: FRANCE, Thomas S

APPLICANT: MIGHTON, Nicholas
APPLICANT: MIGHTON: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PREV
TITLE OF INVENTION: NUMBER: US/09/766,511B
CURRENT FILING DATE: 2002-05-07
PRIOR PILING DATE: 2000-06-14
PRIOR APPLICATION NUMBER: US 09/578,063
PRIOR FILING DATE: 2000-06-14
PRIOR PILING DATE: 2000-06-14
PRIOR PILING DATE: 2000-06-16
PRIOR PILING DATE: 1999-06-14
PRIOR PILING DATE: 1999-06-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PREV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          900
                                                                120
                                                                                             120
                                                                                                                            180
                                                                                                                                                         180
                                                                                                                                                                                     240
                                                                                                                                                                                                                   240
                                                                                                                                                                                                                                                 300
                                                                                                                                                                                                                                                                               300
                                                                                                                                                                                                                                                                                                             360
                                                                                                                                                                                                                                                                                                                                           360
                                                                                                                                                                                                                                                                                                                                                                       420
                                                                                                                                                                                                                                                                                                                                                                                                     420
                                                                                                                                                                                                                                                                                                                                                                                                                                   480
                                                                                                                                                                                                                                                                                                                                                                                                                                                              480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9
                                                                resreterescriedarriccarrecacrecterescrietriscrietrardescrietra
                                                                                                                                            GTAACTTACCATTTTTACATATGGGGAAAACTGGCAAAAAGGCTGTCTGAACTTACACTCATAT
                                                                                                                                                                                                        CATTCAAGTCTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCA
                                                                                                                                                                                                                                                 GCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAGAAGGTTTGG
                                                                                                                                                                                                                                                                 GCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAGAAGGTTTGG
                                                                                                                                                                                                                                                                                                               TCTAAGAGTGAGCAGAACTGTGTGTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAA
                                                                                                                                                                                                                                                                                                                              TCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAA
                                                                                                                                                                                                                                                                                                                                                                         GCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                   TCAGACCCACAAGGTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                     TCAGACCCACAAGGTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GTCAGAITTTGGCACCTAGGTGAGCCCAATCATTCTGCAGGCAATGTGCTTCAATAGTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GrcaGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGTGCTTCAATAGTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TTCTGGAAACCTACAGGATGGGCCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCA
                                  ATGATGCAAGAGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCCTGAGACTC
                                                                                                                            GTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTATAT
                                                                                                                                                                                       CATTCAAGTCTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGGATGTTGCCCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATATGTGAGATGAATAAGATTTACCTA 627
                                                                   61
                                                                                              61
                                                                                                                                                          121
                                                                                                                                                                                        181
                                                                                                                                                                                                                      181
                                                                                                                                                                                                                                                    241
                                                                                                                                                                                                                                                                                 241
                                                                                                                                                                                                                                                                                                               301
                                                                                                                                                                                                                                                                                                                                             301
                                                                                                                                                                                                                                                                                                                                                                           361
                                                                                                                                                                                                                                                                                                                                                                                                         361
                                                                                                                                                                                                                                                                                                                                                                                                                                     421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  601
                                                                                                                              121
                                                                                                                                                     q
                                                                                                                                                                                                                   d
                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                  ò
                                                                                              엄
                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                   ò
                                                                                                                              ò
```

```
APPLICANT: Challe, Lionel
APPLICANT: Challe, Lionel
APPLICANT: Challe, Lionel
APPLICANT: Challe, Lionel
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Saeland, Sem
APPLICANT: Saeland, Sem
APPLICANT: Lebecque, Serge J.E.
APPLICANT: Phillis, Joseph H.M.
ITTLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REACENTS
ITTLE OF INVENTION: 1801-ATE 1999-03-16
CURRENT APPLICATION NUMBER: US 09/270,368
PRIOR APPLICATION NUMBER: US 60/078,334
PRIOR FILING DATE: 1999-03-16
PRIOR PILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 10
SEQ ID NO: 10
SEG ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              108 ATGATGCAAGAGCAGCAACCTCAAAGTACAGAGAAAAAGGGCTGGTTGTCCCTGAGAGTTC 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121 GTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATAT 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CATTCAAGTCTCACCTGCTTCAGTGAAGGACAAAGGTGCCAGCCTGGGGATGTTGCCCA 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CATTCAAGTCTTACCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCA 347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAGAGGTTTGG 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTT 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TCTAAGAGTGAGCAGAACTGTGTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAA 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                468 GCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTTCTGGGGCTT 527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 ATGATGCAAGAGCAGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCCTGAGACTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GTAAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 850;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IndelB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 77.3%; Score 484.4; DB 6; Best Local Similarity 98.8%; Pred. No. 3.4e-146; Matches 488; Conservative 0; Mismatches 6;
         Sequence 1, Application US/10270470 Publication No. US20030162955A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: CDS
LOCATION: (108)..(593)
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   용
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
APPLICANT: Lebecque, Serge J.E.

APPLICANT: Pinlips, Joseph H.

TILLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS FILE REFERENCE: DX08020K
CURRENT APPLICATION NUMBER: US/10/270,470
CURRENT FILING DATE: 1999-03-16
PRIOR APPLICATION NUMBER: US 99/270,368
PRIOR PILING DATE: 1999-03-16
PRIOR PILING DATE: 1999-03-16
PRIOR FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn version 3.1
SEQ ID NO 9
LENGTH: 1045
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        228 GTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATAT 287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  288 CATTCAAGTCTCACCTGCTTCAGTGAAGGGACAAAAGGTGCCAGCCTGGGGATGTTGCCCA 347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    241 GCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAAGGTTTGG 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     348 GCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAAGGTTTGG 407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAA 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      361 GCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTT 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TCAGACCCACAAGGIAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAAT 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  108 ATGATGCAAGAGCAGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCTGAGACTC 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATAT 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            468 GCAGAGCAGAATTTCATTGTTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GTCAGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGTGCTTCAATAGTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              528 TCAGACCCACAAGGTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 ATGATGCAAGAGCAACCTCAAAGTACAGAGAAAAGGAGCTGGTTGTTCCCTGAGACTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CATTCAAGTCTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1045;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 99.7%; Score 625.4; DB 6; Best Local Similarity 99.8%; Pred. No. 5.3e-192; Matches 626; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATATGTGAGATGAATAAGATTTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ararcreacarcaaraaarrraccra 734
                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: CDS
LOCATION: (108)...(734)
CTHER INFORMATION:
US-10-270-470-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   601
                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                181
```

셤

d ò

δ

ò g ò 셤 g

ð

g

ò

g

ò

g ઠે 8

à

셤

ò

ò

US-09-766-511B-72

US-10-270-470-1

```
244 TCTTGGAAGTCATTTGGTTCCAGTTGCTACTTTCCAGTGAAGAAGGTTTGGTCT 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     244 CACTGGAAGTCATTTGGCTCCAGCTGCTACCTCATTTCTACCAAGGAGAACTTCTGGAGC 303
                                                                                                                                                                      603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       64 ectereatriccarerracitricaeraccierricarreceaecrerereserea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      124 chartrarradaccadccadradadacrarardaacrrcacacaraccarricadr 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CTCACCTGCTTCAGTGAAAGGACAAAGGTGCCAG-----CCTGGGGATGTTGCCCAGCT 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         304 AAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACACAGAAGCA 363
                                                                                                                                                                                                                    544 iddaariccircaaariddddirdaaridargriricigigaragraaraaracaaricaara 603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4 dráckágakagackárcccakágakkágakárcráckágaccrágagacrickárága 63
                 424 GATCCACAGGAAHGGCAAAHGGCAAHGGATCGAHGATACTCCTTTCAGTCAAAATGTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         70 GCTGGGATTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAACTTAC
                                                                                                                                                                        TGGAAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CATITITACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    crcaccriccricadidalaggacrargerercagaaaaargraggargcracccaaar
                                                                                                                     484 AGGTTCTGGCACCCCATGAACCCAATCTTCCAGAAGAGGGGGTGTGTTTCAATAGTTTAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10 GAGCAGCAACCTCAAAGTACAGAGAAAAAGAGGCTGGTTGTCCCTGAGACTCTGGTGTGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 630;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indela
Score 373.2; DB 6;
Pred. No. 4.3e-110;
0; Mismatches 143;
                                                                                                                                                                                                                                                                                                      604 TGTGAAATGAAGAATTTACCTA 627
                                                                                                                                                                                                                                                                         604 TGTGAGATGAATAAGATTTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 76.1%;
Matches 475; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: (1)..(62 OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-270-470-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               184
                                                                                                                                                                             544
                                                                            484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                          셤
                                                                            ò
                                                                                                                        임
                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                               8
                                                                                    APPLICANT: FRASER, Christopher C
APPLICANT: BARNER, Thomas S
APPLICANT: SHARP, John D
APPLICANT: SHARP, John D
APPLICANT: SHARP, John D
APPLICANT: SHARP, John D
APPLICANT: MIRES, Thomas S
APPLICANT: MIRES, Paul S
APPLICANT: MIRES, Paul S
APPLICANT: GOODEARL, Andrew
APPLICANT: GOODEARL, Andrew
APPLICANT: HOLTZANT, Mehran M
APPLICANT: HOLTZANT, Mehran M
APPLICANT: MIREAPEUTIC, AND OTHER USES
APPLICANT: MIREAPEUTIC, AND OTHER USES
FILE REFERENCE: 1014-66
CURRENT FILING DATE: 2002-05-07
FILE REPLICATION NUMBER: US 09/578,063
PRIOR PLILOR DATE: 2000-06-24
PRIOR APPLICATION NUMBER: US 09/596,194
PRIOR APPLICATION NUMBER: US 09/333,159
PRIOR APPLICATION NUMBER: US 09/393,396
PRIOR FILING DATE: 1999-06-29
PRIOR FILING DATE: 1999-06-30
PRIOR FILING DATE: 1999-06-30
PRIOR FILING DATE: 1999-06-30
PRIOR PLILOR DATE: 1999-06-30
PRIOR PLILOR DATE: 1999-06-30
PRIOR APPLICATION NUMBER: US 09/345,680
PRIOR PLILOR DATE: 1999-06-30
PRIOR APPLICATION NUMBER: US 09/345,680
PRIOR PLILOR DATE: 1999-06-30
PRIOR PLILOR DATE: 2000-06-30
PRIOR PLILOR DATE: 1999-06-30
PRIOR PLILOR DATE: 2000-06-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GCTGGGATTTCCATTGCACTCCTCAGTGCTTGTTGTGAGCTGTGTAGTAACTTAC 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GCTGTGATTTCCATGTTACTCTTGAGTACCTGTTTCATTGCGAGCTGTGTGGTGACTTAC 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CATITIACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGT 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CAATTTATTATGACCAGCCCAGTAGAAGACTATATGAACTTCACACATACCATTCCAGT 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    244 TCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAAGGTTTGGTCT 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCA 363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCA 423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GAGCAGAATTTCATCACCCAGCAGCTGAATGAGTCACTTTCTTACTTCCTGGGTCTTTCG 423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GACCCACAAGGTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTC 483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GAGCAGCAACCTCAAAGTACAGAGAAAAAGGCTGGTTGTCCCTGAGACTCTGGTCTGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4 erecaegaaagacaarcccaaegeaaegeaercrecrecrecreaegacreregereaecr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAG-----CCTGGGGATGTTGCCCAGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CTCACCTGCTTCAGTGAAGGGACTATGGTGTCAGAAAAATGTGGGGATGCTGCCCAAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 627;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 373.2; DB 3;
Pred. No. 4.2e-110;
0; Mismatches 143;
  Sequence 72, Application US/09766511B Publication No. US20030170621A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      59.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 76.1
Matches 475; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-766-511B-72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       364
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
```

```
Sequence (a), Application US/09766511B

Sequence (a), Application No. 1022030170621A1

Sequence (a), Application No. 1022030170621A1

Sequence (a), Application No. 1022030170621A1

Septican: MCRAT: MCARTHY, Sean A

Septican: SHARP, John D

APPLICANT: BARBS, Thomas S

APPLICANT: BARBS, Thomas S

APPLICANT: MYERS, Paul S

APPLICANT: MYERS, Paul S

APPLICANT: WIRST, Susan J

APPLICANT: WIRST, Susan J

APPLICANT: WIRST, MATEW

APPLICANT: WIRST, MATEW

APPLICANT: WOODSARL, Andrew

APPLICANT: MYERS, Paul S

FILE OF INVENTION: WOVEL GERES ENCODING PROTEINS HAVING PROGNOSTIC, PRE

TITLE OF INVENTION: THERAPEUTIC, AND OTHER USES

FILE REFERENCE: 10147-65

CURRENT APPLICATION NUMBER: US 09/578,063

PRIOR FILING DATE: 2000-05-24

PRIOR PLING DATE: 2000-06-16

PRIOR PRILING DATE: 1999-06-14

PRIOR FILING DATE: 1999-06-14

PRIOR APPLICANTION NUMBER: US 09/596,194

PRIOR FILING DATE: 1999-06-29

PRIOR PRILING DATE: 2000-06-16

PRIOR APPLICANTION NUMBER: US 09/608,452

PRIOR FILING DATE: 2000-06-30

PRIOR FILING DATE: 2000-06-30

PRIOR PRILING DATE: 2000-06-30

PRIOR PRILING DATE: 2000-06-30

PRIOR PRILING DATE: 2000-06-30

PRIOR PRILING DATE: 2000-06-30

PRIOR FILING DATE: 2000-06-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 484 AGAITITGGCACCTAGGTGAGCCCAATCATTCTGCAGAGGAATGTGCTTCAATAGTCTTC 543
                                                                                                                                                                                                302 CAATITATTATGGACCAGCCCAGTAGAAGACTATATGAACTTCACACATACCATTCCAGT 361
                                                                                                                                                                                                                                                                                             244 TCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAGAAGGTTTGGTCT 303
                                                                                                                                                                                                                                                                                                                                                                                                                  422 CACTGGAAGTCATTTGGCTCCAGCTGCTACCTCATTTCTACCAAGAAAACTTCTGGAGC 481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             304 AAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCA 363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            364 GAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCA 423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             542 GAGCAGAATTTCATCACCCAGCAGCTGAATGAGTCACTTTCTTACTTCCTGGGTCTTTCG 601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GACCCACAAGGTAATAATTAGCAATGGATTGATAAGACACCTTATGAGAAAAATGTC 483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TGGAAACCTACAGGATGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATA 603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             242 GCTGTGATTTCCATGTTACTCTTGAGTACCTGTTTCATTGCGAGCTGTGTGGTGACTTAC 301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   662 AGGTICIGGCACCCCATGAACCCAATCTICCAGAAGAGCGGTGTGTTTCAATAGTTTAC 721
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CATTITACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCAATTCAAGT
                                                                                                                                                                                                                                                            CTCACCTGCTTCAGTGAAGGACAAAGGTGCCAG-----CCTGGGGATGTTGCCCAGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TGTGAGATGAATAAGATTTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       rereaargaagaagarrracera 805
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 424
                                 2
                                                                                                                                                130
                                                                                                                                                                                                                                                               190
                                                                                                                                                                                                                                                                                                                     362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 604
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       782
                                                                                                                                                                                       g
                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                            a
                                                                                                                                                                                                                                                                                                                                                                                                                     엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      원
                                                                        g
                                                                                                                                             Š
                                                                                                                                                                                                                                                                                                                                                         &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-*(b-5-118-').

Sequence 71, Application US/09766511B
Publication No. US20030170621A1
SEQUENCE 71, Application WS. US20030170621A1
SEQUENCE 71, WORDATHY. Sean A
APPLICANT: SHARE, Christopher C
APPLICANT: BARRE, Christopher C
APPLICANT: BARRE, Christopher C
APPLICANT: BARRE, Thomas S
APPLICANT: GOODEAL, Andrew
APPLICANT: WERS, Paul S
APPLICANT S
APPLICANT: WERS, Paul S
APPLICANT: WERS, Paul S
APPLICANT: WER
                                                                                                                                                                                                      483
364 GAGCAGAATTTCATCACCCAGCAGCTGAATGAGTCACTTTCTTACTTCCTGGGTCTTTCG 423
                                                                                                                                                                                                                                          AGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGTGCTTCAATAGTCTTC 543
                                                                                                                                                                                                                                                                                                                                                                                 543
                                                                                                                                                                                                                                                                                                                                                                                                                                       TGGAAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATA 603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             544 TGGAATCCTTCGAAATGGGGCTGGAATGATGTTTTCTGTGATAGTAACACAATTCAATA 603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      182 GTGCAGGAAAGACAATCCCAAGGGAAGGGAGTCTGCTGGACCCTGAGACTCTGGTCAGCT 241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10 GAGCAGCAACCTCAAAGTACAGAGAAAAAGAGGCTGGTTGTCCCTGAGACTCTGGTCTGTG 69
                                                                                                                                                                                                      GACCCACAAGGTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAATGTC
                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1252;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 373.2; DB 3;
Pred. No. 6.4e-110;
0; Mismatches 143;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TGTGAGATGAATAAGATTTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       59.5%;
ilarity 76.1%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 475; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: DNA
; ORGANISM: Mus
US-09-766-511B-71
                                                                                                                                                                                                   424 (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: POSEO ID NO 71
                                                                                                                                                                                                                                                                                                                                                                                                                                       544
                                                                                                                                                                                                                                                                                                                     484
                                                                                       364
                                                                                                                                                                                                                                                               424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      604
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               604
                                                                                                                                             유
                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                     Š
                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      용
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
```

PREV

```
KIRST, Susan J
MYERS, Paul S
WRIGHTON, Nicholas
GOODEARL, Andrew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 74.8
Matches 398; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-766-511B-62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Pa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    424
                          APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 364
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      177 grecial de la contra del la contra de la contra de la contra del la contra de la contra de la contra de la contra del la contra d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           356
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTCACCTGCTTCAGTGAAGGGACTATGGTGTCAGAAAAAATGTGGGGGATGCTGCCCAAAT 416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            304 AAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCA 363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCA 423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGGITCIGGCACCCCATGAACCCAATCTTCCAGAAGAGCGGTGTTTCAATAGTTTAC 715
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TGGAAACCTACAGGATGGGGCT-GGAATGATGTTATCTGTGAAACTAGAAGGAATTCAAT 602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                regaarcerregaarregeeereeeaarearerrrrererearaeraacaeaarreaar 775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     417 CACTGGAAGTCATTTGGCTCCAGCTACCTCATTTCTACCAAGGAGAACTTCTGGAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     244 TCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCCAGTGAAGAGAAGAGGTTTGGTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ACCAGTGAGCAGAAACTGTGTTCAGATGGGGCTCATCTGGTGGTGATCAAAACTGAAGCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GATCC-CAAGGTAATGGCAATGGCAATGGATCGATGATACTCCTTTCAGTCAAAATGTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGTGCTTCAATAGTCTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GCTGGGATTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACTTAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAG-----CCTGGGGATGTTGCCCAGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GACCCACAAGGTAATAATAATTGGCAATTGATTAAGACACCTTATGAGAAAAATGTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 821;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GAGCAGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCCTGAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 55.0%; Score 344.8; DB 3; Best Local Similarity 75.6%; Pred. No. 8.6e-101; Matches 468; Conservative 0; Mismatches 143;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NS-09-766-511B-62
Sequence 62, Application US/09765511B
Sequence 62, Application US/0976511B
CENERAL INFORMATION:
APPLICANT: MCCARTHY, Sean A
APPLICANT: FRASER, Christopher C
APPLICANT: SHARP, John D
APPLICANT: BARNES, Thomas S
                                   09/345,680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATGTGAAATGAANAAGATT 794
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATGTGAGATGAATAAGATT 621
  PRIOR FILING DATE: 1999-09-10
PRIOR APPLICATION NUMBER: US 09/
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 85
SOFTWARE: Patentin version 3.1
SEQ ID NO 61
LENGTH: 821
                                                                                                                                                                                                                                                                                       NAME/KEY: misc feature

1 LOCATION: (788)

CTHER INFORMATION: unsure

US-09-766-5118-61
                                                                                                                                                                                                                                       ORGANISM: Mus sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   364
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       597
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              603
                                                                                                                                                                                                             TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
```

```
APPLICANT: GOODEARL, AUGUEN A
APPLICANT: HOLTZMAN, DOUGLER, AUGUEN A
APPLICANT: KHODADOUST, Mehran M
TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PREV
TITLE OF INVENTION: THERAPEUTIC, AND OTHER USES
FILE REFERENCE: 10147-65
CURRENT APPLICATION NUMBER: US /09/78,063
PRIOR PELING DATE: 2000-05-24
PRIOR FILING DATE: 2000-05-24
PRIOR FILING DATE: 2000-6-14
PRIOR FILING DATE: 2000-6-14
PRIOR PILING DATE: 2000-6-29
PRIOR PILING DATE: 1999-09-10
PRIOR PILING DATE: 1999-09-10
PRIOR PILING DATE: 1999-09-10
PRIOR FILING DATE: 1999-09-10
PRIOR FILING DATE: 1999-09-10
PRIOR FILING DATE: 1999-09-10
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 85
NUMBER OF SEQ ID NOS: 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   184 crcaccrdcrrcagrdaaddaacrarddgrcrcagaaaaargrddgardcrGcccaaar 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GACCCACAAGGTAATAATTGGCAATGGATTGATAAGACACCTTATGAAAAAATGTC 483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     70 GCTGGGATTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACTTAC 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                244 TCTTGGAAGTCATTTGGTTCCAGTTGCTACTTTCCAGTGAAGAGAAGGTTTGGTCT 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                244 cacrigaaagreatririgacriceageriaecricarririeraecaagaaaarrieriagaage 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         304 Accadrdaddadadrdrdrdrtrcadardddddddrchrdrddrdardaradrdaaddd 363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTTCTTATTTTCTGGGGCTTTCA 423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         364 gagcagaarrircarcaccagcagcrgaargagrcacriririracrirccrgggrcrircg 423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          124 CAATTTATTATGGACCAGCCCAGTAGAAGACTATATGAACTTCACACATACCATTCCAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10 GAGCAGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCCTGAGACTCTGGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CATITIACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTATCATTCAAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAG-----CCTGGGGATGTTGCCCAGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4 erecheghangacharcccahegehangeherterechegaccereherererere
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 484 AGATITIGGCACCTAGGIGAGCCCAATCATICIGCAGAGCAATGIGCTTCAA 535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 534;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      47.0%; Score 294.8; DB 3; Length 74.8%; Pred. No. 1.2e-84; ive 0; Mismatches 127; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
```

```
Sequence 1, Application US/10090466

Publication No. US20020137914A1

GENERAL INFORMATION.

APPLICANT: Turner, C. Alexander Jr.

APPLICANT: Mathur, Brian

APPLICANT: Cullinan, Emily B.

TITLE OF INVENTION: No. US20020137914A1e1 Human Dectin Proteins and Polynucleotides

TITLE OF INVENTION: No. US20020137914A1e1 Human Dectin Proteins and Polynucleotides

TITLE OF INVENTION: NO. US20020137914A1e1 Human Dectin Proteins and Polynucleotides

CURRENT APPLICATION NUMBER: US/0090,466

CURRENT FILING DATE: 2002-03-01

PRIOR APPLICATION NUMBER: US 60/274,961

PRIOR APPLICATION DATE: 2001-03-12

NUMBER OF SEQ ID NOS: 4

SOFTWARE: FRSESEQ for Windows Version 4.0
GCTTCAATAGTCTTCTGGAAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACT 588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Greriegiceargecage de la reconstruction de la construction de la const
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ---CACTCATATCATTCAAGTCTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGG 228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              229 GGATGTTGCCCAGCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAA 288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         241 AGCTGCTGCCCAACCCCTTGGACTTCATTTCAGTCTAGTTGCTACTTTATTTCTACTGGG 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               289 GAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTG 348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       301 ATGCAATCTTGGACTAAGAGTCAAAAGAACTGTTCTGTGATGGGGGCTGATCTGGTGGTG 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TTTCTGGGGCTTTCAGACCCACACAGGTAATAATAATTGGCAATGGATTGATAAGACACCT 468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               421 TTTCTGGGGCTGTCAGATCCAGGGGGTCGGCGACATTGGCAATGGGTTGACCAGACACCA 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 Argerecerchagagacerchagacegagagaaagaacercrecrecrecrecrecagricaac 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 ATGATGCAAGAGCAGCAACCTCAAAGTACAGAGAAAAAAGAGGCTGGTTGTCCC---TGAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GTAGTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTA-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TTCAACACAGAGCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TATGAGAAAAATGTCAGATTTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                481 TACAATGAAAATGTCACATTCTGGCACTCAGGTGAACCCAATAACCTTGATGAGCGTTGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 642;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     43.6%; Score 273.4; DB 5; Length (66.7%; Pred. No. 1.3e-77; cive 0; Mismatches 201; Indels
                                                                                                                                                                                                                                                                                                                                                                     611 CCTCAGAAGTCAATTTGCAAGATGAAGAAGAAGATCTACATA 649
                                                                                                                                                                                                                                                                                                                  589 AGAAGGAATTCAATATGTGAGATGAATAAGATTTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 66.7'
Matches 426; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-090-466-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       118
                                              491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61
                                                                                                                                      529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                409
                                                                                                                                      ò
                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     용
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                     APPLICANT: Mize, Nancy K.
APPLICANT: Tang, Y Tom
APPLICANT: Liu, Chenghai
APPLICANT: Liu, Chenghai
APPLICANT: Liu, Chenghai
APPLICANT: Dickson, Mark C.
APPLICANT: Dickson, Mark C.
APPLICANT: Dickson, Mark C.
APPLICANT: Dickson, Mark C.
APPLICANT: Are binnerts, Minke
TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804A1el C-type Le
TITLE OF INVENTION: Polypeptides and Polymucleotides
TITLE OF INVENTION: Polypeptides and Polymucleotides
TITLE OF INVENTION: Polypeptides and Polymucleotides
TITLE OF TOWERN APPLICATION NUMBER: US/10/212,198
CURRENT APPLICATION NUMBER: 09/545,283
PRIOR APPLICATION NUMBER: 09/545,283
PRIOR FILING DATE: 2000-04-07
PRIOR FILING DATE: 2000-02-03
NUMBER OF SEQ.ID NOS: 16
SEQ ID NO 12
FEATURE PARENTING DATE: DOOL 12
FEATURE PARENTING DATE: 2000-02-03
SEQ ID NO 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ľ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       371 ATCAACACCAGGGAAGAACAGGATTTCATCATTCAGAATCTGAAAAGAAATTCTTGTTAT 430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Grerecresecastrearcearcrasercricical assertations and a second se
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      118 GTAGTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTA----- 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              131 GTGGTGCCTCACAATTTTATGTATAGCAAAACTGTCAAGAGGCTGTCCAAGTTACGAGAG 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     229 GGATGTTGCCCAGCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCCATTTCCAGTGAA 288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          251 AGCTGCTGCCCAACCCCTTGGACTTCATTTCAGTCTAGTTGCTACTTTATTTTCTACTGGG 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   289 GAGAAGGITIGGICIAAGAGIGAGCAGAACIGIGIIGAGAIGGGAGCACAITIGGIIGIG 348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           311 ATGCAATCTTGGACTAAGAGTCAAAAGAACTGTTCTGTGATGGGGGCTGATCTGGTGGTG 370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   349 TICAACACAGAAGCAGAGCAGAATITICATIGICCAGCAGCTGAATGAGTCATITICTITAT 408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITCTGGGGCTITCAGACCCACACGTAATAATAATTGGCAATGGATTGATAAGACACCT 468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                469 TATGAGAAAATGTCAGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGT 528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 ATGATGCAAGAGCAGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCC---TGAGA 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11 ATGGTGCCTGAAGAAGAGCCTCAAGACCGAGAAAAGGACTCTGGTGGTTCCAGTTGAAG 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ---CACTCATATCATTCAAGTCTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 817;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 275; DB 6; Length 81
Pred. No. 4.4e-78;
0; Mismatches 200; Indels
                                                                                                                        Sequence 12, Application US/10212198
Publication No. US20030138804A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                               APPLICANT: Boyle, Bryan J
APPLICANT: Ford, John E.
APPLICANT: Mize, Nancy K.
APPLICANT: Tang, Y. Tom
APPLICANT: Lang, Y. Tom
APPLICANT: Drmanac, Radoje T.
APPLICANT: Drckson, Mark C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    43.9%;
Best Local Similarity 66.8%;
Matches 427; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , LUCATION: (11)..(652)
; OTHER INFORMATION:
US-10-212-198-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: CDS
                                                                                        US-10-212-198-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       431
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           δ
```

```
ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88 deadrochariceherracherekenerrierriekenerierakerrendradieereeneke 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CATTCAAGTCTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCA 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            148 AAİTİTATGİATAĞCAAAAÇİĞİÇAAĞAĞĞCİĞİĞCAAĞITACGAĞATATÇAACAĞIAT 207
                                                                                                                                                                                                                     529 GCTTCAATAGTCTTCTGGAAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACT 588
                                                                                                                                                                                                                                            28 chagadectichagaecegagagahaagaecteriegiegitechetrichagereriegiechie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            130 CATTITACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTA-----CACTCATAT
                              403 ATCAACACCACGGAAGAACACGATTTCATCATTCATAATCTGAAAAGAAATTCTTCTTAT
                                                                                                                                               469 TATGAGAAAAATGTCAGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     70 GCTGGGATTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACTTAC
349 ITCAACACAGAAGCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTAT
                                                                      TITCTGGGGCTTTCAGACCCACACGTAATAATAATTGGCAATGGATTGATAAGACACCT
                                                                                                                                                                      13 CAGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCC---TGAGACTCTGGTCTGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 827;
                                                                                                                                                                                                                                                                                                                     643 CCTCACAAGTCAATTTGCGAGATGAAGAAGAACTTACATA 681
                                                                                                                                                                                                                                                                                              589 AGAAGGAATTCAATATGTGAGATGAATAAGATTTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
43.0%; Score 269.4; DB 6;
Best Local Similarity 66.8%; Pred. No. 2.9e-76;
Matches 419; Conservative 0; Mismatches 196;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-220-946-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 19
                                                                          409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                       g
                                                                                                                                                                             q
                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                            엄
                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                              원
                                                                        ò
                                                                                                                                               ò
                                                                                                                                                                                                                                                                       APPLICANT: BOYJE, Bryan J
APPLICANT: Ford, John E.
APPLICANT: Ford, John E.
APPLICANT: Mick. Nancy K.
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Liu, Chenghua
APPLICANT: Liu, Chenghua
APPLICANT: Liu, Chenghua
APPLICANT: Dickson, Mark C.
APPLICANT: Binnerts, Minke
APPLICANT: Binnerts, Minke
TILLE OF INVENTION: Methods and Materials Relating to No. US20030138804Alel C-type Le
TILLE OF INVENTION: Polypeptides and Polynucleotides
TILLE REFERENCE: HYS-5CIP
TILLE OF INVENTION NUMBER: 109/10/212,198
CURRENT FILING DATE: 2000-04-07
PRIOR FILING DATE: 2000-04-07
PRIOR FILING DATE: 2000-04-07
PRIOR FILING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin version 3.1
SEQ ID NO 3
LENGTH 858
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  283 AGCTGCCCCAACCCCTTGGACTTCATTTCAGTTGCTACTTATTTTTATTTCTACTGGG 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           343 ATGCAATCTTGGACTAAGAGTCAAAAGAACTGTTCTGTGATGGGGGGCTGATCTGGTGGTG 402
                     GCTTCAATAGTCTTCTGGAAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACT 588
                                          541 GCGATAATAAATTTCCGTTCTTCAGAAGAATGGGGCTGGAATGACATTCACTGTCATGTA 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Arigeriecerebagasedecerebagaseceadabaagaeterederegerederederedargang 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       103 GTCTGGTCCATGGCAGTCGTATCCATCTTGCTCTCAGTGTCTGTTTCACTGTGAGTTCT 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              118 GTAGTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTA---- 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                163 GIGGIGCCICACAATITIAIGIAATAACIGICAAGAGGCIGICCAAGITACGAGAG 222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       223 TATCAACAGTATCATICAAGCCTGACCTGCGTCATGGAAGGAAGGACATAGAAGATTGG 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GGATGTTGCCCAGCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAA 288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTG 348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 ATGATGCAAGCAGCAACCTCAAAGTACAGAAAAAGAGGCTGGTTGTCCC---TGAGA 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ---CACTCATATCATTCAAGTCTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 858;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                             627
                                                                                                                                ccrcadadricaarriccaagargaagaagarcracara 639
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 270.2; DB 6;
Pred. No. 1.6e-76;
0; Mismatches 203;
                                                                                             589 AGAAGGAATTCAATATGTGAGATGAATAAGATTTACCTA
                                                                                                                                                                                                                     Sequence 3, Application US/10212198
Publication No. US20030138804A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 66.4%;
Matches 424; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: (43)..(747)
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-212-198-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    289
                     529
                                                                                                                                601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                     ò
                                                     g
                                                                                           ò
                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
```

```
TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804Alel C-type L
TITLE OF INVENTION: Methods and Polymucleotides
FILE REFERENCE: HXS-SCIP
CURRENT APPLICATION NUMBER: US/10/212,198
CURRENT FILING DATE: 2002-08-02
PRIOR PLING DATE: 2000-04-07
PRIOR PLING DATE: 2000-04-07
PRIOR PLING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 16
SOFTHARE: Patentin version 3.1
SEQ ID NO 2
LENGTH: 826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GGGCTGATCTGGTGGTGATCAACACCAGGGAAGAACAGGATTTCATCATCATTCAGAATCTGA 395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      101 GCTTCATTGTGAGCTGTGTAGTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGC 160
                                                                                                                                                                                                                                               156 réricca de tracca de contrator de la respecta de la respecta de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contracca de la contrac
                                                                                                                                                                                                                                                                                                                                                                                                          216 AGGÁCATAGAAGATTGGAGCTGCTGCCCAACCCCTTGGACTTCATTTCAGTCTAGTTGCT 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ACTICATITICCAGIGAAGAAAGGITIGGICIAAGAGIGAGCAGAACIGIGITGAGAIGG 331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         276 ACTITRITICIACIGGATGCARTCTIGACTAAGAGICAAAAGAACIGITCTGIGAIGG 335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    396 AAAGAAATTCTTCTTTTTTTTCTGGGCTCTAGATCCAGGGGGTCGGCGACATTGGCAAT 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               516 ACCTIGATGAGCGTIGIGCGATAATAATTICCGTTCTTCAGAAGAATGGGGCTGGAATG 575
                                                                                                                                                                                                                                                                                                                              212 CAAAGGTGCCAGCCTGGGGATGTTGCCCAGCTTCTTGGAAGTCATTTGGTTCCAGTTGCT 271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GAGCACATTIGGTIGIGITCAACACAGAAGCAGAGCAGAATTICATIGICCAGCAGCIGA 391
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATGAGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAAGGTAATAATAATTGGCAAT 451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GGATTGATAAGACACCTTATGAGAAAATGTCAGATTTTGGCACCTAGGTGAGCCCAATC 511
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   512 ATTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGAAACCTACAGGATGGGGCTGGAATG 571
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 ATGATGCAAGAGCAGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCC---TGAGA 57
                                                                                   GTTTCACTGTGAGTTCTGTGGTGCCTCACAATTTTATGTATAGCAAAACTGTCAAGAGGC
                                                                                                                                                                   TGTCTGAACTA-----CACTCATATCATTCAAGTCTCACCTGCTTCAGTGAAGGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     572 ATGTTATCTGTGAAACTAGAAGGAATTCAATATGTGAGATGAATAAGATTTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 249; DB 6; Length 826;
Pred. No. 1.3e-69;
0; Mismatches 200; Indels 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 2, Application US/10212198; Publication No. US20030138804A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Arterburn, Matthew C.
Binnerts, Minke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Boyle, Bryan J
APPLICANT: Ford, John E.
APPLICANT: Mize, Nancy K.
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Drmanac, Radoje T.
APPLICANT: Drmanac, Radoje T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 39.7%;
Best Local Similarity 65.2%;
Matches 427; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               , ORGANISM: Homo sapiens
US-10-212-198-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-212-198-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   456
                                                                                   96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    392
                                                                                                                                                                   161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    452
                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                 유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                   ð
                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: No. US20030124575Alartis AG
APPLICANT: No. US20030124575Alartis Brfindungen Verwaltungsgesellschaft m.b.H.
APPLICANT: No. US20030124575Alartis Brfindungen Verwaltungsgesellschaft bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis bartis b
                                                                                                                                                                                                                                                                                                              328 ACTAAGAGTCAAAAGAACTGTTCTGTGATGGGGGGCTGATCTGGTGGTGGATCAACACCAGG 387
                                                                                                                             268 ACCCCTTGGACTTCATTTCAGTTGCTACTTTATTTCTACTGGATGCAATCTTGG 327
                                                                                                                                                                                                                                      301 TCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTTCTATCAACACAGAA 360
                                                                                                                                                                                                                                                                                                                                                                                                          GCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTT 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             388 GAAGAACAGGATTICATCATTCAGAATCTGAAAAGAAATTCTTCTTATTTTTCTGGGGCTG 447
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TCAGACCCACAAGGTAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAAT 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GTCAGATITITGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGTGCTTCAATAGTC 540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TTCTGGAAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCA 600
CATCCAAGCCTGACCTGCGTCATGGAAGGAAAGGACATAGAAGATTGGAGCTGCTGCCCA 267
                                                                               GCTTCTTGGAAGICATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAAAGGTTTGG 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            568 TTCCGTTCTTCAGAAGAATGGGGCTGGAATGACATTCACTGTCATGTACCTCAGAAGTCA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GCTGGTTGTCCCTGAGACTCTGGTCTGTGGCTGGGATTTCCATTGCACTCCTCAGTGCTT 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GGTGGTTCCAGTTGAAGGTCTGGTCCATGGCAGTCGTATCCATCTTGCTCCAGTGTCT 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 6; Length 800;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 265.6; DB 6;
Pred. No. 4.9e-75;
0; Mismatches 189;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           601 ATATGTGAGATGAATAAGATTTACCTA 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           628 ATTTGCAAGATGAAGAAGATCTACATA 654
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 22
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 21
LENGTH: 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-220-946-21
; Sequence 21, Application US/10220946
; Publication No. US20030124575A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 66.8%;
Matches 398; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-220-946-21
                                                                                   241
                                                                                                                                                                                                                                                                                                                                                                                                          361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM:
                                                                                                                                                       셤
                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                      Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
```

C. Markethy.

	CICTGGICTGIGGCIGGGAITTCCAIRGCACTCCTCAGIGCTTGCTTCATTGIGAGCTGT 117 	GTAGTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTA 171 	CACTCATATCATTCAAGTCTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGG 228 	GGATGTTGCCCAGCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAA 288 	GAGAAGGTITGGTCTAAGAGTGAGCAGAACTGTGTGAGATGGGAGCACATTTGGTTGTG 348 	TTCAACACAGAAGCAGAGTTTCATTGTCCAGCAGCTGAATGAGTTTTTTTT	TITCTGGGGCTTTCAGACCCACAAGGTAATAATTGGCAATGGATTGATAAGACACCT 468 	TATGAGAAAARGICAGATTITGGCACCTAGGTGAGCCCAATCA 512 TACAATGAAAATGTCACGTGAGTATAGAATTCTGGCACTCAGGTGAACCCAATAA 550	TTCTGCAGAGCAATGTGCTTCAATAGTCTTCTGGAAACCTACAGGATGGGGCTGGAATGA 572 	573 TGTTATCTGTGAAACTAGAAGAATTCAATATGTGAGATGAATAAGATTTACCTA 627
 Argaraccra	crcregrere srcregreea	STAGTAACTT. STGGTGCCTC.	CACTCAT TATCAACAGT	GATGTTGCC 	SAGAAGGTTT 	TTCAACACAG ATCAACACCA	rtrctggggc rtrctggggc	tatgagaaaa tacaatgaaa	rrcrgcagag ccrrgargag	TGTTATCTGT CATTCACTGT
11 4	58 0	118 0	172 - 191 1	229 (311 7	349 1	409 7	469 7	513 7	573 7
Q Q	& 8	ky qa	<u>ک</u> 8	දු පු	ري و	\$ g	S G	& 93	දු පු	oy Op

Search completed: March 28, 2006, 09:56:20 Job time : 454.694 secs

19, Appl 460, Appl 600, Appl 7, Appl 12140, A 12281, A 12281, A 17, Appl 17, Appl 17, Appl 17, Appl 17, Appl 11, Appl 11, Appl 11, Appl 11, Appl 11, Appl 11, Appl 11, Appl 11, Appl 11, Appl 120, Appl 120, Appl 120, Appl 130, Appl 130, Appl 14, Appl 16, Appl 17, Appl 17, Appl 18, Appl 18, Appl 19, Appl 19, Appl 19, Appl

Sequence Seq

US-10-212-198-3 US-10-220-946-1 US-10-220-946-21 US-10-220-946-21 US-09-918-995-4600 US-09-918-995-4015 US-10-212-198-2 US-10-212-198-2 US-10-242-535A-12140 US-10-085-783A-12281 US-10-085-783A-12281 US-10-085-783A-12281 US-10-085-783A-12281 US-10-122-55A-40420 US-10-398-779-1 US-10-398-779-1 US-10-398-779-1 US-10-398-779-1 US-10-125-540-199 US-10-125-540-188 US-10-125-540-188

00 0000

ALIGNMENTS

402 1091 1091 1096 1096

```
Sequence 51, Appli
Sequence 52, Appli
Sequence 71, Appli
Sequence 71, Appli
Sequence 72, Appli
Sequence 72, Appli
Sequence 120, Appli
Sequence 120, Appli
Sequence 1260, Appli
Sequence 1260, Appli
Sequence 1260, Appli
Sequence 148, Appli
Sequence 1740, Appli
Sequence 1740, Appli
Sequence 1740, Appli
Sequence 1740, Appli
Sequence 1740, Appli
Sequence 20506, Appli
Sequence 20506, Appli
Sequence 20506, Appli
Sequence 20506, Appli
Sequence 20506, Appli
Sequence 20506, Appli
Sequence 7181, Appli
Sequence 7181, Appli
Sequence 7181, Appli
Sequence 7181, Appli
Sequence 7181, Appli
Sequence 7181, Appli
Sequence 7181, Appli
Sequence 7181, Appli
Sequence 7181, Appli
                                                                                                                                                           March 28, 2006, 08:52:44; Search time 2248.31 Seconds (without alignments) 11453.441 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                            ......tttaaaaaaaaaaaaaa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Published Applications_NA_Main:*

1: /cgn2_6/ptodata/1/pubpna/USO7_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
3: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
4: /cgn2_6/ptodata/1/pubpna/USO9B_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/USO9B_PUBCOMB.seq:*
6: /cgn2_6/ptodata/1/pubpna/USO9B_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/USO9B_PUBCOMB.seq:*
8: /cgn2_6/ptodata/1/pubpna/USO9B_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/USO9B_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/USO9B_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/USO9B_PUBCOMB.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. is the number of results predicted by chance to h score greater than or equal to the score of the result bein and is derived by analysis of the total score distribution.
5.1.7
Biocceleration Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19587084
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-766-511B-51
US-10-270-470-9
US-10-270-470-9
US-09-766-511B-72
US-10-270-470-3
US-09-766-511B-72
US-10-703-860-4598
US-09-925-301-80
US-10-108-260A-2220
US-10-172-11B-1260
US-10-172-11B-1260
US-10-172-11B-1260
US-10-176-149-1
US-10-766-511B-61
US-10-766-511B-61
US-10-766-511B-61
US-10-766-511B-61
US-10-766-511B-62
US-10-766-511B-62
US-10-766-511B-62
US-10-766-511B-62
US-10-766-511B-62
US-10-766-511B-62
US-10-766-511B-62
US-10-766-511B-62
US-10-766-511B-62
US-10-766-511B-62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9793542 seqs, 4134689005 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SUMMARIES
GenCore version (c) 1993 - 2006
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                              sw model
                                                                                                                                                                                                                                                                                                                                                                                               IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                             US-09-766-511B-51
3114
1 cttaatgttggaagtctctt.
                                                                                                           nucleic search, using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     seq length: 0
seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3647
3647
3647
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  526
83405
821
2419
520
534
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                       Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3114
1043.4
1043.4
591.2
379.2
376.2
376.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
356.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
376.2
                                                                                                                                                                                                                                                                                Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                  Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
1
1
1
1
1
                                                                                                              nucleic
                                                                                                                                                                                                                                                                                                                                            Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Minimum I
Maximum I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Database
                                                                                                                                                                    Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Result
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         υ
```

	- E ##644
	112-09-76-511R-51
	Sequence 51. Application US/09766511B
-	Publication No. US2003017062181
	; GENERAL INFORMATION:
	; APPLICANT: MCCARTHY, Sean A
	; APPLICANT: FRASER, Christopher C
	; APPLICANT: BARNES, Thomas S
	, APPLICANT: KIRST, Suean J
	; APPLICANT: MYERS, Paul S
	; APPLICANT: WRIGHTON, Nicholas
	; APPLICANT: GOODEARL, Andrew
	; APPLICANT: HOLTZMAN, Douglas A
have a	; APPLICANT: KHODADOUST, Mehran M
ng printed,	; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC,
·1	; TITLE OF INVENTION: THERAPEUTIC, AND OTHER USES
	; FILE REFERENCE: 10147-65
	; CURRENT APPLICATION NUMBER: US/09/766,511B
	CURRENT FILING DATE: 2002-05-07
	PRIOR APPLICATION NUMBER: US 09/578.063
iption	: PRIOR FILING DATE: 2000-05-24
	PRIOR APPLICATION NUMBER: 115 09/232 159
lence 51. Appl	
6	
	PRIOR FILLING DATE: 1999-06-29
٠,	
	FALLON FILLING DAILS: 11994-100
lence 2220, Ap	TATION APPLICATION NUMBER: US 09/345,000
lence 1280, Ap	FALCA FILLE 1299-00-30 MINDED OF CEO IT NOC. BE
٠.	
dence 148, App	; SOFINANCE: Pacentin Version 3.1
•	TO ON OI DOS
	, LENGTH: 3114
	TYPE: DNA
	; ORGANISM: Homo sapiens
lence 20506, A	US-09-766-511B-51
lence 2406, Ap	
ence 62, Appl	100.04;
lence 7181, Ap	Best Local Similarity 100.0%; Pred. No. 0;
lence 7181, Ap	rative 0;

DIAGNOSTIC, PRE'

ö

Gaps

υυ

```
APPLICANT: PAINING, JOSEPH H.
TITLE OF INVENTION: ISOLATED MAWMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS
FILE REFERENCE: DX08020K
CURRENT APPLICATION NUMBER: US/10/270,470
FRICE APPLICATION NUMBER: US 09/270,368
PRIOR PAPLICATION NUMBER: US 09/270,368
PRIOR PLING DATE: 1999-03-16
PRIOR PLING DATE: 1999-03-17
PRIOR PLING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 10
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           586
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  706
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 766
                                                                                                                                                                                                                                                                                                                                                                       9
                                                                                                                                                                                                                                                                                                                                                                                                               GAGGTACAAAAGGTTCCTGGACCTTCTCAACACAGGGGCCTGCATAATGATGCAAGAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GTCCCTGAGCTCTAGCTTCTTTAAATGAAGCTGAGTCTCTGGGGCAACATCTTTAGGGAGA
                                                                                                                                                                                                                                                                                                                                                            1 GTCCCTGAGCTCTAGCTTCTTTAAATGAAGCTGAGTCTCTGGGCAACATCTTTAGGGAGA
                                                                                                                                                                                                                                                                                                                                                                                                 GAGGTACAAAAGGTTCCTGGACCTTCTCAACACAGGGAGCCTGCATAATGATGCAAGAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GGATTTCCATTGCACTCCTCAGTGCTTCATTGTGAGCTGTGTAGTAACTTACCATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTATCATTCAAGTCTCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CCTGCTTCAGTGAAAGGACAAAGGTGCCAGCCTGGGGATGTTGCCCAGCTTCTTGGAAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AGAACTGTGTTGAGATGGGAGCACATTTGGTTGTTCAACAGAAGCAGAGCAGAATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                      AGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCCTGAGACTCTGGTCTGTGGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GGATTICCATIGCACICCICAGIGCTIGCTICATIGIGAGCIGIGIAGIAACTIACCATI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TTACATATGGTGAAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CATTTGGTTCCAGTTGCTACTTCCAGTGAAGAGAAGAGGTTTGGTCTAAGAGTGAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Acctadesigaeccaatcariciecagaecaarerecticaaraererreregaaaccta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCAGCTTCTTGGAAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AGAACTGTGGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATATGTGAGATGA
                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                          Length 1045,
                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                      IndelB
                                                                                                                                                                                                                                                                                             9
                                                                                                                                                                                                                                                                                         Query Match 33.5%; Score 1043.4; DB 6
Best Local Similarity 99.9%; Pred. No. 2.6e-196;
Matches 1044; Conservative 0; Mismatches 1;
 Lebecque, Serge J.E.
                                                                                                                                                                                   TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                      LOCATION: (108)..(734)
OTHER INFORMATION:
                                                                                                                                                                                                                           NAME/KEY: CDS
                                                                                                                                                                        LENGTH: 1045
                                                                                                                                                                                                                                                                 US-10-270-470-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            601
                                                                                                                                                                                                                                                                                                                                              47
                                                                                                                                                                                                                                                                                                                                                                                                 101
                                                                                                                                                                                                                                                                                                                                                                                                                          61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               661
                                                                                                                                                       SEQ ID NO 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                      167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   647
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     707
                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                      유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ठे
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a
                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     충
                                                                                                     2340
                                                                                                                                                        2400
                                                                                                                                                                                    2460
                                                                                                                                                                                                              2460
                                                                                                                                                                                                                                                                                           2580
                                                                                                                                                                                                                                                                                                                                              2640
                                                                                                                                                                                                                                                                                                                                                                                                 2700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2880
                                                                              2340
                                                                                                                                2400
                                                                                                                                                                                                                                        2520
                                                                                                                                                                                                                                                                                                                                                                         2640
                                                                                                                                                                                                                                                                                                                                                                                                                            2700
                                                                                                                                                                                                                                                                                                                                                                                                                                                      2760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2820
                                                                                                                                                                                                                                                                 2520
                        TATTCTGAGAATCATAATAGTCACATGATTTCTGATGCTATCTGCTCTGTTAATAACAAA
CTCTTAATAAGTAGCATATAGTTAAAATTTTAAAAAATCCAATATGGCAATCACCTTTTAG
                                                                                                                                            CTCTTAATAAGTAGCATATAGTTAAAAAATTCTAAAAAATTCGAATATGGCAATCACCTTTTAG
                                                                                                                                                                                   TCATCTTACTAGGTGGTTTCCCTCTCTCCTCCAAAATATTTTTTACAGCTTATAAA
                                                                                                                                                                                                                                                                                           CACAACTITITATIAGAAAAGTITATACATAACACAGCATCAACTATITICAAGAACCCAAT
                                                                                                                                                                                                                                                                                                      AAGCAACAAAAACCAGACTAACAAAATGTGTAACAAGAAACTAATGACCTTTCTAAAATC
                                                                                                                                                                                                                                                                                                                                                                AAGCAACAAAAACCAGACTAACAAAATGTGTAACAAGAAACTAATGACCTTTCTAAAATC
                                                                                                                                                                                                                                                                                                                                                                                                 AAACATTCAATTATCTACAATGTCTATTTACAAACAGGGAAAACTCCATGGTTTACAGGC
                                                                                                                                                                                                                                                                                                                                                                                                                 2641 AAACATTCAATTATCTACAATGTCTATTTACAAAACAGGGAAAACTCCATGGTTTACAGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2701 ATGTCATATTGAAAATAAAGCTGCAATAGCTTTTTATACAATTATCGCTCTCAAGAAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GAATCATTAAGACAGTAATTAGGAGTTCACAAATTTAAAACATTTCACGTAATTTTAAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TATTGTCTTCAATAATTTTAAATTATTGAAGTCTGAGTTTTCAAAAGTGATTTTTTTCCCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TATTGTTTCAATAATTTTTAAATTATTGAAGTCTGAGTTTCAAAAAGTGATTTTTTCCCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAAGGTGCCAACACTTAAGCTAGAGCTTTCAGTGTTAACTTTGCCCTAAAAGTTAAGACA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAAGGTGCCAACACTTAAGCTTAGAGCTTTCAGTGTTAACTTTGCCCTAAAAGTTAAGACA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TATTCTGAGAATCATAATAGTCACATGATTTCTGATGCTATCTGCTCTGTTAATAACAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GATTICACACATGAATACCTATGTAACAAATCTCCATGTTCTACACATATACCCCAGAAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GATTTCACACATGAATACCTATGTAACAAATCTCCATGTTCTACACATATACCCCAGAAC
                                                                           TTAGTGCTGTAAAATTTTTTTTCCATCTTCTATTTTTGACCATTTTTATTCCACATGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATGTCATATTGAAAATAAAGCTGCAATAGCTTTTTATACAATTATCGCTCTCAAGAAAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GAATCATTAAGACAGTAATTAGGAGTTCACAAATTTAAAACATTTCACGTAATTTTAAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 9, Application US/10270470
Publication No. US20030162955A1
GENERAL INFORMATION:
APPLICANT: Chalus, Lionel
APPLICANT: Quan, Ahn B.
APPLICANT: Gorman, Daniel M.
APPLICANT: Saeland, Sem
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-270-470-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3061
                                                                           2281
                                                                                                     2281
                                                                                                                                2341
                                                                                                                                                        2341
                                                                                                                                                                                   2401
                                                                                                                                                                                                             2401
                                                                                                                                                                                                                                       2461
                                                                                                                                                                                                                                                                 2461
                                                                                                                                                                                                                                                                                          2521
                                                                                                                                                                                                                                                                                                                    2521
                                                                                                                                                                                                                                                                                                                                              2581
                                                                                                                                                                                                                                                                                                                                                                         2581
                                                                                                                                                                                                                                                                                                                                                                                                 2641
                                                                                                                                                                                                                                                                                                                                                                                                                                                      2701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2761
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2761
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3001
 2161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3061
                          ઠે
                                                 쉱
                                                                           ર્જ
                                                                                               g
                                                                                                                              ò
                                                                                                                                                   g
                                                                                                                                                                             Š
                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                  요
                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                       q
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
```

```
Sequence 1, Application US/10270470

Sequence 1, Application US/10270470

Publication No. US20030162955A1

GENERAL INFORMATION:

APPLICANT: Chalus, Lionel

APPLICANT: Quan, Ahn B.

APPLICANT: Gorman, Daniel M.

APPLICANT: Gorman, Daniel M.

APPLICANT: Saeland, Sem

APPLICANT: Saeland, Sem

APPLICANT: Saeland, Sem

APPLICANT: Saeland, Sem

APPLICANT: Saeland, Sem

APPLICANT: Bates, Useph H.

TITLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS

FILE REFERENCE: DASOLOGK

CURRENT APPLICATION NUMBER: US 60/070,368

PRIOR APPLICATION NUMBER: US 60/070,368

PRIOR APPLICATION NUMBER: US 60/078,334

PRIOR APPLICATION NUMBER: US 60/078,334

NUMBER OF SEO ID NOS: 10

SOFTWARE: PatentIn version 3.1

LENGTH. RELATED NOS: 10

SERO ID NO 1

LENGTH. RELATED NOS: 10

LENGTH. RELATED NOS: 10

LENGTH. RELATED NOS: 10

LENGTH. RELATED NOS: 10

LENGTH. RELATED NOS: 10

LENGTH. RELATED NOS: 10

LENGTH. RELATED NOS: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     453
                                                                                                                                                                                                                                                                                                                                                                                                                                             300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  420
                                                                                                                                  61 resteresereseatrrecarrecacrecreaseserecreatreareseseses 120
                             9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               121 GTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATAT
                                                                                                                                                                                                                                                                                                                  241 GCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAAGAAGGTTTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GTCAGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGTGCTTCAATAGTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GTCAGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGTGCTTCAATAGTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TTCTGGAAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCA
274 GTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATAT
                                                                                                                                                                                                                                                                                       334 CATTCAAGTCTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCA
                                                                                                                                                                                                                                                                                                                                                                                             394 GCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAAGGTTTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TCTAAGAGTGAGCAGAACTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TCAGACCCACAAGGTAATAATTAGCAATGGATTGATAAGACACCTTATGAGAAAAT
                                                                                  754 ATATGTGAGATGAATAAGATTTACCTA 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
NAME/KEY: CDS
LOCATION: (108)..(593)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          574
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             634
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                  셤
                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                     요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                               à
                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INCORRITION:

GENERAL INCORRITION:

APPLICANT: REASER, Christopher C
APPLICANT: RASER, Christopher C
APPLICANT: RASER, Christopher C
APPLICANT: RANNES, Thomas S
APPLICANT: BARNES, Thomas S
APPLICANT: MICHOLAS
APPLICANT: WIERS, Paul S
APPLICANT: WIERS, Paul S
APPLICANT: WIERS, Paul S
APPLICANT: WIERS, Paul S
APPLICANT: WIERS, Paul S
APPLICANT: WIERS, Paul S
APPLICANT: WIERARDON OF THERAPEUTIC, AND OTHER USES
APPLICANT: WIERS IN OVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, PREV
TITLE OF INVENTION OF THE APPLICANTON WINDER: US 09/578,063
FILE REFERENCE: 10147-65
CURRENT FILING DATE: 1030-06-07
FRIOR PLILNG DATE: 1030-06-17
FRIOR PLILNG DATE: 1030-06-14
FRIOR RILING DATE: 1090-06-16
FRIOR APPLICANTON NUMBER: US 09/342,364
FRIOR PLILNG DATE: 1090-06-16
FRIOR PLING DATE: 1090-06-10
FRIOR PLING DATE: 1090-06-10
FRIOR FILING DATE: 1090-06-10
FRIOR FILING DATE: 1090-06-10
FRIOR FILING DATE: 1090-06-10
FRIOR FILING DATE: 1090-06-10
FRIOR FILING DATE: 1090-06-10
FRIOR FILING DATE: 1090-06-10
FRIOR FILING DATE: 1090-06-10
FRIOR FILING DATE: 1090-06-10
FRIOR FILING DATE: 1090-06-10
FRIOR FILING DATE: 1090-06-10
FRIOR FILING DATE: 1090-06-10
FRIOR FILING DATE: 1000-06-10
FRIOR FILING DATE: 
                                                                                                                                                                                                                                                                                                                                               1006
                                                                                                                                                                                                                                                                                                                                                                                                                                               1007 CCAFTCFTTCACTTGTTATTCATTTTTTTTCTTCACACTTCATTACACAAATATTTA 1066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CATICITICACITGITATICATITITITICITCACACTICATACACAAAATATIA 1020
                                                                                                                                                                                                                                                                                             900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       154 ATGATGCAAGAGCAGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCCTGAGACTC 213
                                                                                                                                                                                                                                                                       721 ATAAAATTTACCTATGAGTAGAAGCTTAATTGGAAAGAAGAAGAATTACTGACGTAAT
                                                                                                                                                               947 ATCAATCTTCTCGTTTTCCTTTTTCCATTAATGATAGAATGCACCCTTCCTCTTTGTT
                                                                                                                                                                                                                                                                                                                                                                          887 TACACATAATCCTTATGTTATAGAGGTTCACAGAAATGGAAAGATACCTGTTTCCCTTTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 627;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 20.1%; Score 627; DB 3; Le Best Local Similarity 100.0%; Pred. No. 6.2e-114; Matches 627; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TTGTTTCAGAGACTGTACTATTTG 1091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TTGTTTCAGAGACTGTACTATTTTG 1045
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 52, Application US/09766511B Publication No. US20030170621A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-766-511B-52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1021
                                                                                                                                          827
                                                                                                                                                                                                                                                                                                                                                                                                  901
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     961
                                                                                                                                          ઠે
                                                                                                                                                                                       g
                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                  දු
                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  뎡
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
```

ઢ g ઠે g ò ઠ g ò g ઠે ద 8 g ò

```
184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100 AGGGAGAGAGAGARAAAAGGTTCCTGGACCTTCTCAACACAGGGAGCCTGCATAATGATG 159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       299 taccaatitatrargaccagccagragagactarargaactrcacacaraccartcc 358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    538
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               718
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    753
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GTCAGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGGGAATGTGCTTCAATAGTC 693
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TACTGGAATCCTTCGAAATGGGCTGGAATGATGTTTTCTGTGATAGTAAACACAATTCA 778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  131 -- GGAGACAGATGCAAGAAACCCCT-GACCTTCTGAACATA--- CACCTCAACAATGGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GTGGCTGGGATTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TACCATITITACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTATCATTCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          419 AATCACTGGAAGTCATTTGGCTCCAGCTGCTACCTCATTTCTACCAAGGAGAAACTTCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    479 AGCACCAGTGAGCAGAACTGTGTTCAGATGGGGGCTCATCTGGTGGTGATCAATACTGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CAAGAGCAGCAACCTCAAAGTACAGAAAAAGAGGCTGGTTGTCCCTGAGACTCTGGTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       394 GCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAAGGTTTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    454 TCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GCAGAGCAGAATTTCATTGTCCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TCAGACCCACAAGGTAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Greaderreridecaececardaaeceaarerreeadaadadecegegererreaaragre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TTCTGGAAACCTACAGGATGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          40 GCAGTTTGTCCCTGAGCTCTAGCTTCTTTAAATGAAGCTGAGTCTCTGGGCAACATCTTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1252;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.2%; Score 379.2; DB 3; 73.8%; Pred. No. 1e-64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches 178;
PRIOR FILING DATE: 2000-05-24
PRIOR APPLICATION NUMBER: US 09/33,159
PRIOR FILING DATE: 1999-06-14
PRIOR FILING DATE: 1999-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 1999-06-29
PRIOR PLING DATE: 1999-06-30
PRIOR PLING DATE: 1999-06-30
PRIOR PLING DATE: 2000-06-30
PRIOR PLING DATE: 1999-09-10
PRIOR PLING DATE: 1999-09-10
PRIOR PLING DATE: 1999-06-30
PRIOR PRILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 85
SOFTWARE: PALENTIN VERSION 3.1
SEQ ID NO 71:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches 555; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Mus sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-766-511B-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         539
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         574
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               629
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            634
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ծ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: MCCARTHY, Sean A
APPLICANT: FRASER, Christopher C
APPLICANT: FRASER, Christopher C
APPLICANT: BARRE, John D
APPLICANT: BARRE, Thomas S
APPLICANT: MYERS, Paul S
APPLICANT: WRIGHTON, Nicholas
APPLICANT: WRIGHTON, Nicholas
APPLICANT: HOLTZMAN, Douglas A
APPLICANT: HOLTZMAN, Douglas A
APPLICANT: HOLTZMAN, DOUGlas A
APPLICANT: HOLTZMAN, DOUGlas A
APPLICANT: HOLTZMAN, DOUGlas A
APPLICANT: HOLTZMAN, DOUGlas A
APPLICANT: HOLTZMAN, DOUGlas A
APPLICANT: HOLTZMAN, DOUGlas A
APPLICANT: HOLTZMAN, DOUGLas A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT: HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
APPLICANT HOLTZMAN, DOUGLAS A
A
                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       586
                                                                                                                                                                                       106
                                                                                                                                                                                                                                                                                          166
                                                                                                                                                                                                                                                                                                                                               120
                                                                                                                                                                                                                                                                                                                                                                                                                                                  180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               646
                                                                                                                                                                                                                                                                                                                                                                                               226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       241 TTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTTA 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          900
                                                                                                                                                                                                                                          9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGAACTGTGTTGAGAGGGGGCACATTTGGTTGTTCAACACAGAAGCAGAAGCAGAATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       47 GTCCCTGAGCTCTTTAAATGAAGCTGAGTCTCTGGGCAACATCTTTAGGGAGA
                                                                                                                                                                                                                       GTCCCTGAGCTCTAGCTTCTTTAAATGAAGCTGAGTCTCTGGGCAACATCTTTAGGGAA
                                                                                                                                                                                                                                                                                          GAGGTACAAAAGGTTCCTGGACCTTCTCAACACAGGGAGCCTGCATAATGATGCAAGAGC
                                                                                                                                                                                                                                                                                                                          GAGGTACAAAAGGTTCCTGGACCTTCTCAACACAGGGAGCCTGCATAATGATGCAAGAGC
                                                                                                                                                                                                                                                                                                                                                                                               AGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCCTGAGACTCTGGTCTGTGGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                               121 AGCAACCTCAAAGTACAGAGAAAAGAGCTGGTTGTCCCTGAGACTCTGGTGTGTGGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GGATTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACTTACCATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181 GGATTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACTTACCATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       301 CCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGGATGTTGCCCAGCTTCTTGGAAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CATTIGGITICCAGITIGCIACTICATITICCAGIGAAGAAGGITIIGGICIAAGAGIGAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAGCAGAGCAGAATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTTTCAGACCCACAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CCTGCTTCAGTGAAGGACAAAGGTGCCAGCCTGGGGATGTTGCCCCAGCTTCTTGGAAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CATITIGGITICCAGITIGCIACTICATITICCAGIGAAGAGAAGGITIGGICIAAGAGIGAGC
                                                                                                                                          Gaps
                                                                                                                                       ö
                                                                                  Score 591.4; DB 6; Length
Pred. No. 8e-107;
0; Mismatches 11; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 71, Application US/09766511B Publication No. US20030170621A1 GENERAL INFORMATION:
                                                                                  19.0%;
98.2%;
                                                                                                                                     Matches 598; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            647 ACCTAGGTG 655
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AGTICTGGG 609
                                                                                                             Similarity
          OTHER INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-766-511B-71
               ; OTHER INFOLM
US-10-270-470-1
                                                                                                                                                                                                                                                                                          107
                                                                                                                                                                                                                                     ч
                                                                                                                                                                                                                                                                                                                                                                                             167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  467
                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                             61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               601
                                                                                                               Local
                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
```

ઠે 셤 ò g ò 셤

238 279 513

573 598 658

393

```
GENERAL INFORMATION:

APPLICANT: PRASER, Christopher C
APPLICANT: PRASER, Christopher C
APPLICANT: BRARB, Thomas S
APPLICANT: BRANBS, Thomas S
APPLICANT: BRANBS, Thomas S
APPLICANT: BRANBS, Thomas S
APPLICANT: WISHES, Paul S
APPLICANT: WISHES, Paul S
APPLICANT: WISHES, Paul S
APPLICANT: WISHES, Paul S
APPLICANT: WISHES, WISHES ENCODING PROTEINS HAVING PROGNOSTIC, PRESIDENCY: HOLTZWAN, DOUGLARS A
APPLICANT: WISHEST, WARDENTICH, AND CTHER USES
TITLE OF INVENTION: THERAPEDTIC, AND CTHER USES
TITLE OF INVENTION: THERAPEDTIC, AND CTHER USES
TITLE OF INVENTION: THERAPEDTIC, AND CTHER USES
TITLE OF INVENTION: THERAPEDTIC, AND CTHER USES
TITLE OF INVENTION: THERAPEDTIC, AND CTHER USES
TITLE OF INVENTION: THERAPEDTIC, AND CTHER USES
TITLE OF INVENTION WINDER: US 09/596,194
PRIOR PILING DATE: 2000-06-10
PRIOR PILING DATE: 1999-06-29
PRIOR FILING DATE: 1999-06-20
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GCTGGGATTTCCATTGCACTCCTCAGTGCTTGCTTGTGAGCTGTAGTAACTTAC 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      64 ścigicatriccarcinacircinasanacheritraniacasacienaracheria 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAG-----CCTGGGGATGTTGCCCAGCT 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CATITIACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGT 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4 grecalgada a grada con a deserva de de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contra de contr
                                                                                                                                                        697 TGGAAACCTACAGGATGGGGCTGGAATGATGTTATCTGTGAAACTAGAAGGAATTCAATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            163 GAGCAGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCCTGAGACTCTGGTCTGTG
637 AGATITIGGCACCIAGGIGAGCCCAATCAITCIGCAGAGCAAIGIGCTICAAIAGICTIC
                                                                          484 Aggiicigecacccaigaacccairticaaricitcaaagaccererericaaraarac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 627;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 12.0%; Score 373.2; DB 3; Best Local Similarity 76.1%; Pred. No. 1.1e-63; Matches 475; Conservative 0; Mismatches 143;
                                                                                                                                                                                                                                                                                                                                                         604 TGTGAAATGAAGATTTACCTATGA 630
                                                                                                                                                                                                                                                                                                                    757 TGTGAGATGAATAAGATTTACCTATGA 783
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 72, Application US/09766511B; Publication No. US20030170621A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: DNA; ORGANISM: Mus sp.
US-09-766-511B-72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                 q
                                                                                                                                                            ò
                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                       Sequence 3, Application US/10270470

Sequence 3, Application US/10270470

Publication No. US20030162955A1

GENERAL INFORMATION:
APPLICANT: Chalus, Lionel
APPLICANT: Chalus, Lionel
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Bates, Send
APPLICANT: Lebecque, Senge J.E.
APPLICANT: Lebecque, Senge J.E.
APPLICANT: Loscarb Mawmallan Membrane PROTEIN GENES; RELATED REAGENTS
FILE REFERENCE: DX08020K
CURRENT APPLICATION NUMBER: US/10/270,470
CURRENT FILING DATE: 1999-03-16
PRIOR PLICATION NUMBER: US 60/078,334
PRIOR FILING DATE: 1999-03-16
PRIOR FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 10
NUMBER OF SEQ ID NOS: 10
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GACCCACAAGGTAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTC 636
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  304 ACCAGTGAGCAGAACTGTGTTCAGATGGGGGCTCATCTGGTGGTGATCAATACTGAAGCG 363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           163 GAGCAGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCCTGAGACTCTGGTCTGTG 222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     223 GCTGGGATTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACTTAC 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CATITIACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGT 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           124 CAATTTATTATGGACCAGCCCAGTAGAAGACTATATGAACTTCACACATACCATTCCAGT 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAG-----CCTGGGGATGTTGCCCAGCT 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CTCACCTGCTTCAGTGAAGGGACTATGGTGTCAGAAAAATGTGGGGATGCTGCCCAAAT 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      397 TCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAGAAGGTTTGGTCT 456
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    244 CACTGGAAGTCATTTGGCTCCAGCTGCTACCTCATTTCTACCAAGGAGACTTCTGGAGC 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         364 GAGCAGAATTTCATCACCCAGCAGCTGAATGAGTCACTTTCTTACTTCCTGGGTCTTTCG 423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.1%; Score 376.2; DB 6; Length 630; 76.2%; Pred. No. 2.9e-64; cive 0; Mismatches 143; Indels 6
                                                                 ATATGTGAAATGAAGAAGATTTACCTATGAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 76.2
Matches 478; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION: (1)..(627)
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 3
LENGTH: 630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  343 (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  457
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       577
            754
                                                                                  779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
            8
                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
```

3399

```
3398 GGT-----ATACACTGAGTTCTGAGTTTCAAAAGTGATTTTTTTTCCCACAA 3351
                                                                                                                                                                                                                                                                                                                                                                                                               3350 AAGTITCAACACTTAAGCTAGAACTTTCAGTGTTAACTTTGCCCTAAAAAGTTAAGACAT 3291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3290 ATTCTGATAATCATAACAGTCACATGATTTTCTGATGCTATCTGGTCTGTTAATAATAAAG 3231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3725 TTTTTTTTTTACAGCTTATAACACAACTTTTATTAGAAAAGTTATACATAACATAGCATC 3666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2789 ACAAATTTAAAACATTTCACGTAATTTTTAAATTATTGTCTTCAATAATTTTAAATTTAIG 2848
                                                                       3518 TATTGAATATAAAGCTGCAATAGCAATTTTATACAATTACCACTCTGAAGAAACTGAATC
                                                                                                                                                                              3458 ATTAAAACAGTAATTACGAGTTCACAAATTTAAAACATTTCACATAATTTAAATTATTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3665 AACTATTTTCAAGAACAATATTAAACCCGATAAGCAACAAAAACCAGGACTAACAAAATGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3605 GTAACAAGAAACTAATGACCTTTCTAAAATCAAAACATTCAATTATCTACAATGTCTTTTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3545 ACAAACGGGGAAAACTCCTTGGTTTACAGGCACATCATATTGAATATAAAGCTGCAATAG
                                                                                                                                              ATTAAGACAGTAATTAGGAGTTCACAAATTTAAAACATTTCACGTAATTTTAAATTATTG
                                                                                                                                                                                                                                                           2826 TCTTCAATAATTTTAAATTATTGAAGTCTGAGTTTCAAAAGTGA---TTTTTTCCCACAA
                                                                                                                                                                                                                                                                                                                                                                         2883 AGGIGCCAACACITAAGCIAGAGCITICAGIGITAACITITGCCCI-AAAAGITAAGACAI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTCTGAGAATCATAATAGTCACATGATTTCTGATGCTATCTGCTCTGTTAATAACAAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2670 ACAAACAGGGAAAACTCCATGGTTTACAGGCATGTCATATTGAAAATAAAGCTGCAATAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2730 C-TITITATACAATTATCGCTCTCAAGAAATGAATCATTAAGACAGTAATTAGGAGTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3485 CAATITIAIACAATIACCACTCTGAAGAAACTGAATCATIAAAACAGIAATIACGAGTIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2560 AACTATTTTCAAG-----AACCCAATAAGCAACAAAAACCAGACTAACAAATGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2610 GTAACAAGAAACTAATGACCTTTCTAAAATCAAACATTCAATTATCTACAATGTCTATTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2500 TATTTTTTACAGCTTATAACACACTTTTATTAGAAAGTTATACATAACACAGCATC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 3748;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 9
US-09-925-301-80/c
is Sequence 80, Application US/09925301
is Patent No. US2020052308A1
is GENERAL INFORMATION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVENTION:
if TITLE OF INVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 11.7%; Score 364.6; DB 3; Length 3 Best Local Similarity 88.3%; Pred. No. 1.3e-61; Matches 462; Conservative 0; Mismatches 34; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; LENGTH: 3748
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-301-80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3002 ATTTCA 3007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3230 TCTTTA 3225
                                                                                                                                                 2766
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2942
                                   2707
                                                                                                                                              상 원
                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                     임
                                                                       유
                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 4598, Application US/10723860

Sequence 4598, Application US/10723860

Publication No. US20040253606A1

GENERAL INFORMATION:

APPLICANT: Aziz, Natasha

APPLICANT: Ginsburg, Wendy M.

APPLICANT: Globurg, Albert

TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators

FILLE REFERENCE: 05802.0193.NPUSO1

CURRENT APPLICATION NUMBER: US/10/723,860

CURRENT APPLICATION NUMBER: US/10/723,860

PRIOR FILING DATE: 2003-11-26

NUMBER OF SEQ ID NOS: 8393

SOFTWARE: PatentIn version 3.2

LENGTH: 3925
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3698 AAAGTTATACATAACATAGCATCAACTATTTTCAAGAACAATATTAAACCCGATAAGCAA 3639
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CAAAAACCAGACTAACAAATGTGTAACAAGAACTAATGACCTTTCTAAAATCAAACAT 3579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3578 TCAATTATCTACAATGTCTTTTTACAAACGGGGAAAACTCCTTGGTTTACAGGCACATCA 3519
                                                                                                                                                                                                         576
                                                                                                                                                                                                                                                                                                                                                                                                   636
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    969
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               543
CTCACCTGCTTCAGTGAAGGGACTATGGTGTCAGAAAAATGTGGGGGATGCTGCCCAAAT 243
                                                                                           244 CACTGGAAGTCATTTGGCTCCAGCTGCTACTTCTACCAAGGAGAACTTCTGGAGC 303
                                                                                                                                                                                                                                                                                                                                           423
                                                                                                                                                                                                                                                                                                                                                                                                                                                           483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TGGAAACCTACAGGAIGGGGCIGGAAIGAIGITAICIGIGAAACTAGAAGGAAITCAAIA 756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      397 TCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAGAAGGTTTGGTCT
                                                                                                                                                                  457 AAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCA
                                                                                                                                                                                                                                                                                      GAGCAGAATITICATIGICCAGCAGCTGAATGAGTCATITITITITITITIGGGGCTTTTCA
                                                                                                                                                                                                                                                                                                                      GACCCACAAGGTAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAATGTC
                                                                                                                                                                                                                                                                                                                                                                                                                                 AGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGTGCTTCAATAGTCTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    484 AGGTTCTGGCACCCCCATGAACCCAATCTTCCAGAAGAGCGGTGTGTTTCAATAGTTTAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2477 TTTCCATTTCCTCTGCTCCAAAATATTTTTTTTACAGCTTATAACACACTTTTATTAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3758 TITITITITITITITITITITITITITITITITACAGCITATAACACAACITITITITITAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2537 AAAGTTATACATAACACAGCATCAACTATTTTCAAG------AACCCAATAAGCAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TCAATTATCTACAATGTCTATTTACAAACAGGGAAAACTCCATGGTTTACAGGCATGTCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels 27; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 365.2; DB 8; Length 3925;
Pred. No. 1e-61;
0; Mismatches 48; Indels 27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TGTGAGATGAATAAGATTTACCTA 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 86.3%;
Matches 471; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , ORGANISM: Homo sapiens
US-10-723-860-4598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-723-860-4598/c
                                                                                                                                                                                                                                                                                   517 (
  184
                                                                                                                                                                                                                                                                                                                                                                                                577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 697
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  757
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       604
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3638
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2647
                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                        ઠ
                                                                                                             임
                                                                                                                                                               8
                                                                                                                                                                                                                     a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              a
```

ŝ

The free of the profit

```
US-10-172-118-1260/c
                                                                                                                                                                                                                                                                                                                                                                           US-10-172-118-1260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2799
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3179
                                                                                                                                                                                                                                                                                                            TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               윤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1862
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1742
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1861 TTCAAAAGTGATTTTTTTTTCCCACAAAAGTTTCAACACTTAAGCTAGAACTTTCAGTGT 1802
                                                                                                       CITICAGIGITAACTITIGCCCTAAAAGTTAAGACATATICIGATAATCATAACAGTCAC 3258
1801 TAACTTTGCCCTAAAAAGTTAAGACATATTCTGATAATCATAACAGTCACATGATTCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2916 TAACTTTGCCCT-AAAAGTTAAGACATATTCTGAGAATCATAATAGTCACATGATTTCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2209 ACAGCTTATAACAACTTTTATTAGAAAGTTATACATAACATAACATAGCATCAACTATTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TTCAAAAGTGA - - - TTTTTTCCCACAAAGGTGCCAACACTTAAGCTAGAGCTTTCAGTGT
                                     AAGTCTGAGTTTCAAAAGTGA---TTTTTTCCCACAAAGGTGCCAACACTTAAGCTAGAG
                                                               3377 AAGTCTGAGTTTCAAAAGTGATTTTTTTTTCCCACAAAAGTTTCAACACTTAAGCTAGAA
                                                                                        CTTTCAGTGTTAACTTTGCCCT-AAAAGTTAAGACATATTCTGAGAATCATAATAGTCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2570 AAG-----AACCCAATAAGCAACAAAAACCAGACTAACAAAATGTGTAACAAGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2620 ACTAATGACCTTTCTAAAATCAACATTCAATTATCTACAATGTCTATTTACAAACAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2680 AAAACTCCATGGTTTACAGGCATGTCATATTGAAAATAAAGCTGCAATAGC-TTTTTATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2799 AACATTTCACGTAATTTTAAATTATTGTCTTCAATAATTTTAAATTATTGAAGTCTGAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2510 ACAGCTTATAACACAACTTTTATTAGAAAAGTTATACATAACACAGCATCAACTATTTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27;
                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 2209;
                                                                                                                                                                                                                          Sequence 2220, Application US/10108260A; Sequence 2220, Application US/10108260A; Publication No. US20040005560A1; GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: No. US20040005560A1e1 full length cDNA; FILE REFERENCE: H1-A0106; CURRENT FILING DATE: 2002-03-27; NUMBER OF SEQ ID NOS: 5458; SOFTWARE: Patentin Ver. 2.1; SEQ ID NO 2220
                                                                                                                                                         ATGATTTCTGATGCTATCTGGTCTGTTAATAATAAAGTCTTTA 3215
                                                                                                                                           2965 ATGATTTCTGATGCTATCTGCTCTTAATAACAAAGATTTCA 3007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    33; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                         11.4%; Score 356.2; DB 6;
88.3%; Pred. No. 4.8e-60;
iive 0; Mismatches 33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATGCTATCTGCTCTGTTAATAACAAAGATTTCA 3007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                        sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 453; Conserv
                                                                                                                                                                                                          RESULT 10
US-10-108-260A-2220/c
                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo E
US-10-108-260A-2220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2089
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1909
                                      2849
                                                                                         2906
                                                                                                                  3317
                                                                                                                                                                   3257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2029
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            пр
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                             g
                                                                                                                  В
                                                                                                                                                                  a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                        ò
                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                         ठ
```

```
3300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TICAAAAGIGAITITITITITCCCACAAAGITITCAACACITIAAGCIAGAACITITCAGIGT 3240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TAACTTTGCCCT-AAAACTTAAGACATATTCTGAGAATCATAATAGTCACATGATTCTG 2974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3239 TAACTTTGCCCTAAAAAGTTAAGACATATTCTGATAATCATAACAGTCACATGATTTCTG 3180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CAATTATCGCTCTCAAGAAATGAATCATTAAGACAGTAATTAGGAGTTCACAAATTTAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3647 ACAGCTTATAACACACTTTTATTAGAAAGTTATACATAACATAGCATCACTATTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3527 ACTAATGACCTTTCTAAAATCAAAACATTCAATTATCTACAATGTCTTTTTACAAAGGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACTAATGACCTTTCTAAAATCAAACATTCAATTATCTACAATGTCTATTTACAAACAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAAACTCCATGGTTTACAGGCATGTCATATTGAAAATAAAGCTGCAATAGC-TTTTTATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AACATTTCACGTAATTTTAAATTATTGTCTTCAATAATTTTAAATTATTGAAGTCTGAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TTCAAAAGTGA---TTTTTTCCCACAAAGGTGCCAACACTTAAGCTAGAGCTTTCAGTGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2510 ACAGCTTATAACACAACTTTTATTAGAAAGTTATACATAACACAGCATCAACTATTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2570 AAG------AACCCAATAAGCAACAAAAACCAGACTAACAAAATGTGTAACAAGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                           Breast Cancer Patients
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 3647;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   33; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATGCTATCTGCTCTGTTAATAACAAAGATTTCA 3007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 11.4%; Score 356.2; DB 6 Best Local Similarity 88.3%; Pred. No. 6.1e-60; Matches 453; Conservative 0; Mismatches 33
                                                                                               APPLICANT: Linsley, Peter
APPLICANT: Linsley, Peter
APPLICANT: Maley, Peter
APPLICANT: Moberts, Chris
APPLICANT: Van 't Veer, Laura
APPLICANT: Van de Vijver, Marc
APPLICANT: Van de Vijver, Marc
APPLICANT: Van de Vijver, Marc
APPLICANT: Van de Vijver, Marc
APPLICANT: Van de Vijver, Marc
APPLICANT: Van de Vijver, Marc
APPLICANT: Van de Vijver, Marc
APPLICANT: Son de Vijver, Marc
APPLICANT: Son Office, Son Office, Van General Coursent Filing Date: 2002-06-14
PRIOR APPLICATION NUMBER: 60/380,770
PRIOR APPLICATION NUMBER: 60/380,770
PRIOR PILING DATE: 2002-06-14
NUMBER OF SO ID NOS: 2699
SEQ ID NO 1260
LENGTH: 3647
                                                                                                                                                                                                                                                                                           oŧ
Sequence 1260, Application US/10172118 Publication No. US20030224374A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DATABASE ACCESSION NUMBER: NM_006265
DATABASE ENTRY DATE: 2001-06-18
                                                                                 APPLICANT: Dai, Hongyue
APPLICANT: He, Yudong
APPLICANT: Linsley, Peter
APPLICANT: Mao, Mao
APPLICANT: Roberts, Chris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens PUBLICATION INFORMATION:
```

ŝ

```
Sequence 1.7 Application US/10756149
; Publication No. US20050181375A1
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Aziz, Natasha
; APPLICANT: Aziz, Natasha
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER
; TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
; TITLE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3467 AAAACTCCTTGGTTTACAGGCACATCATATTGAATATAAAGCTGCAATAGCAATTTTATA 3408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3407 CAATTACCACTCTGAAGAAACTGAATCATTAAAACAGTAATTACGAGTTCACAATTTAA 3348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3347 AACATTTCACATAATTTTAAATTATTGGGT------ATACACTGAAGTCTGAGT 3300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3299 TTCAAAAGTGATTTTTTTTTCCCACAAAAGTTTCAACACTTAAGCTAGAACTTTCAGTGT 3240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3239 TAACTTTGCCCTAAAAAGTTAAGACATATTCTGATAATCATAAACAGTCACATGATTTCTG 3180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACTAATGACCTTTTGTAAAATCAAAGATTGATTATCTACAATGTCTATTTACAAACAGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3527 ACTAATGACCTTTCTAAAATCAAACATTCAATTATCTACAATGTCTTTTTACAAACGGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2510 ACAGCTTATAACACAACTTTTATTAGAAAAGTTATACATAACACAGCATCAACTATTTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2570 AAG------AACCCAATAAGCAACAAAAACCAGACTAACAAAATGTGTAACAAGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAAACTCCATGGTTTACAGGCATGTCATATTGAAAATAAAGCTGCAATAGC-TTTTTATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TAACTITIGCCCT-AAAAGITAAGACATATICIGAGAATCATAATAGICACATGATTICIG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AACATTTCACGTAATTTTAAATTATTGTCTTCAATAATTTTAAATTATTGAAGTCTGAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TTCAAAAGTGA - - - TTTTTTCCCACAAAGGTGCCAACACTTAAGCTAGAGCTTTCAGTGT
                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                     27;
                                                                                                                                                                                                                                                                                                                                                                            Length 3647;
           GENERAL INFORMATION:
APPLICANT: Mac, Mac
TITLE OF INVENTION: HUMAN DIAPHANOUS-3 GENE AND METHODS OF USE '
FILE REFERENCE: 3301-156-999
CURRENT APPLICATION NUMBER: US/10/848,755A
CURRENT FILING DATE: 2004-05-18
PRIOR APPLICATION NUMBER: 60/471,842
PRIOR FILING DATE: 2003-05-11
NUMBER OF SEQ ID NOS: 275
SOFTWARE: PATENTIN VERSION 3.2 CAM: 301891-999188
SEQ ID NO 148
LENGTH: 3647
                                                                                                                                                                                                                                                                                                                                                                       11.4%; Score 356.2; DB 9; Length 3 88.3%; Pred. No. 6.1e-60; Live 0; Mismatches 33; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATGCTATCTGGTCTGTTAATAATAAGTCTTTA 3147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2975 ATGCTATCTGCTCTGTTAATAACAAAGATTTCA 3007
US20050054826A1
                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 88.3
Matches 453; Conservative
                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                              US-10-848-755A-148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 14
US-10-756-149-1/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2799
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2798
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2858
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3647 ACAGCTTATAACACAACTTTTATTAGAAAAGTTATACATAACATAACATAGCATCAACTTTTC 3588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3527 ACTAATGACCTTTCTAAAATCAAAACATTCAATTATCTACAATGTCTTTTACAAACGGGG 3468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3467 AAAACTCCTTGGTTTACAGGCACATCATATTGAATATAAAGCTGCAATAGCAATTTTATA 3408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3587 AAGAACAATATTAAACCCGATAAGCAACAAAAACCAGACTAACAAATGTGTAACAAAGA 3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3407 CAATTACCACTCTGAAGAACTGAATCATTAAAACAGTAATTACGAGTTCACAAATTTAA 3348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2916 TAACTTTGCCCT-AAAAGTTAAGACATATTCTGAGAATCATAATAGTCACATGATTTCTG 2974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3299 TTCAAAAGTGATTTTTTTTTCCACAAAAGTTTCAACACTTAAGCTAGAACTTTCAGTGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2570 AAG-----AACCCAATAAGCAACAAAAACCAGACTAACAAAATGTGTAACAAGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2680 AAAACTCCATGGTTTACAGGCATGTCATATTGAAAATAAAGCTGCAATAGC-TTTTTATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2739 CAATTATCGCTCTCAAGAAAATGAATCATTAAGACAGTAATTAGGAGTTCACAAATTTAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2799 AACATTTCACGTAATTTTAAATTATTGTCTTCAATAATTTTAAATTATTGAAGTCTGAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2859 TTCAAAAGTGA---TTTTTTCCCACAAAGGTGCCAACACTTAAGCTAGAGCTTTCAGTGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3239 TAACTITGCCCTAAAAGTTAAGACATATTCTGATAATCATAACAGTCACATGATTCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2510 ACAGCTTATAACACATTTTATTAGAAAGTTATACATAACACAGCATCAACTATTTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2620 ACTAATGACCTTTCTAAAATCAAACATTCAATTATCTACAATGTCTATTTACAAACAGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                             Breast Cancer Patients
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 3647;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      33; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 356.2; DB 7;
Pred. No. 6.1e-60;
0; Mismatches 33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2975 ATGCTATCTGCTCTGTTAATAACAAGATTTCA 3007
                                                                     APPLICANT: Hongyue
APPLICANT: Dai, Hongyue
APPLICANT: Dai, Hongyue
APPLICANT: Linaley, Peter S.
APPLICANT: Mao, Mao
APPLICANT: Mao, Mao
APPLICANT: Roberts, Christopher J.
APPLICANT: Van de Vijver, Marc J.
APPLICANT: Van de Vijver, Marc J.
APPLICANT: Bernards, Rene
TITE OF INVENTION: Diagnosis and Prognosis of
FILE REFERENCE: 9301-188-99
CURRENT FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: 06/298,918
PRIOR APPLICATION NUMBER: 60/380,710
PRIOR FILING DATE: 2001-06-18
PRIOR FILING DATE: 2002-06-14
PRIOR APPLICATION NUMBER: 10/172,118
PRIOR FILING DATE: 2002-06-14
PRIOR FILING DATE: 2002-06-14
SEQ ID NO 1260
LENGTH: 3647
                                                                                                                                                                                                                                                           οĘ
             Sequence 1260, Application US/10342887
Publication No. US20040058340A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 13
US-10-848-755A-148/c
; Sequence 148, Application US/10848755A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 88.3%;
Matches 453; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-342-887-1260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
```

おおくないなん.

```
completed: March 28, 2006, 09:56:23
ne : 2251.31 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Search co
                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                    유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ₹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2858
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2916 TAACTITGCCCT-AAAAGTTAAGACATATTCTGAGAATCATAATAGTCACATGATTCTG 2974
3239 TAACTITGCCCTAAAAAGTTAAGACATATTCTGATAATCATAACAGTCACATGATTTCTG 3180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2738
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3300
                                                                                                                                                                                        5
                                                                                                                                                                                                                                           2569
                                                                                                                                                                                                                                                                                                3588
                                                                                                                                                                                                                                                                                                                                                     2619
                                                                                                                                                                                                                                                                                                                                                                              2679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3527 ACTAATGACCTTTCTAAAATCAAACATTCAATTATCTACAATGTCTTTTTACAAACGGGG 3468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3467 AAAACTCCTTGGTTTACAGGCACATCATATTGAATATAAAGCTGCAATAGCAATTTTATA 3408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3647 ACAGCTTATAAACACAACTTTTATTAGAAAAGTTATACATAACATAACCATGCATCAACTATTTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAAACTCCATGGTTTACAGGCATGTCATATTGAAAATAAAGCTGCAATAGC-TTTTTATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AACATTTCACGTAATTTTAAATTATTGTCTTCAATAATTTTAAATTATTGAAGTCTGAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3299 ricaaaagigarriririricccacaaaagirrcaacariraagcragaaciricagigr
                                                                                                                                                                                                                                           2510 ACAGCTTATAACACAACTTTTATTAGAAAAGTTATACATAACACACATCAACTATTTTC
                                                                                                                                                                                                                                                                                                                                                  AAG------AACCCAATAAGCAACAAAAACCAGACTAACAAAATGTGTAACAAGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ACTAATGACCTTTCTAAAATCAAACATTCAATTATCTACAATGTCTATTTACAAACAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TTCAAAAGTGA---TTTTTTCCCACAAAGGTGCCAACACTTTAAGCTAGAGCTTTCAGTGT
                                                                                                                                                                                           Gaps
                                                                                                                                                                                        27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 1924, Application US/10060036
| Publication No. US20030073144A1
| GENERAL INPORMATION:
| APPLICANT: Benson, Darin R. |
| APPLICANT: Codes, Michael D. |
| APPLICANT: Persing, David H. |
| APPLICANT: Persing, David H. |
| APPLICANT: Jiang, Yuqiu T. |
| APPLICANT: Jiang, Yuqiu M. |
| APPLICANT: Jiang, Yuqiu M. |
| APPLICANT: Jiang, Yuqiu M. |
| APPLICANT: Jiang, Yuqiu M. |
| APPLICANT: Jiang, Yuqiu M. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiam T. |
| APPLICANT: Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu Jiang, Yuqiu J
                                                                                                                                      Length 3647;
                                                                                                                                                                                        Indels
                                                                                                                                                                                           33;
                                                                                                                                      DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2975 ATGCTATCTGCTCTGTTAATAACAAAGATTTCA 3007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATGCTATCTGGTCTGTTAATAATAAGTCTTTA 3147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MAME/KEY: misc_feature
i LOCATION: 50, 87, 226, 266, 350, 381, 420, 430,
CTHER INFORMATION: n = A,T,C or G
US-10-66-036-1924
                                                                                                                                   Query Match
11.4%; Score 356.2; DB 5
Best Local Similarity 88.3%; Pred. No. 6.1e-60;
Matches 453; Conservative 0; Mismatches 33
; LENGTH: 3647
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-756-149-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -10-060-036-1924
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 1924
                                                                                                                                                                                                                                                                                                                                                        2570
                                                                                                                                                                                                                                                                                                                                                                                                                                                               2620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2799
                                                                                                                                                                                                                                                                                                                                                                                                       a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                        ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
```

```
2609
                                                                                                                                                                                                                                                                         2669
                                                                                                                                                                                                                                                                                                                                                                  2729
                                                                                                                                                                                                                                                                                                                                                                                                                                                          2788
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2848
                                            ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAGICTGAGTTTCAAAAGTGATTTTTT---CCCACAAAGGTGCCAACACTTAAGCTAGAG 2905
                                                                                                                                                                                                                                                                                                                   194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            315 ACAAATTTAAAAACATTTCACATAATTTTAAATTATNGGGT------ATACACTG 362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        423 CTTTCAGNGTTAACTTTGCCCTAAAAGTTAANACATATTCTGATAATCATAACAGTCAC 482
                                                                                                                                                                                                                                                                         2610 GTAACAAGAAACTAATGACCTTTCTAAAATCAAAACATTCAATTATCTACAATGTCTATTT
                                                                                                                                                                                                                                                                                                135 GIAACAAGAAACTAAGACTITCIAAAAICAAAATTCAATITCAATTATCIACAATGTCIIIII
                                                                                                                                                                                                                                                                                                                                                                  2670 ACAAACAGGGAAAACTCCATGGTTTACAGGCATGTCATATTGAAAATAAAGCTGCAATAG
                                                                                                                                                                                                                                                                                                                                                                                          195 ACAAACGGGGAAAACTCCTTGGTTTACAGGCNCATCATTTGAATATAAAGCTGCAATAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           255 CAATTTTATACNATTACCACTCTGAAAAAACTGAATCATTAAAACAGTAATTACGAGTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITICAGIGITAACITIGCCCT-AAAAGITAAGACATATICIGAGAATCATAATAGICAC
                                                                                                                                                                                 2560 AACTATTTCAAG-----AACCCAATAAGCAACAAAAACCAGACTAACAAAATGT
                                                                                                                                                                                                           2730 C-TITITATACAATTATGGCTCTCCAAGAAAATGAATCATTAAGACAGTAATTAGGAGTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2789 ACAAATTTAAAACATTTCACGTAATTTTAAATTATTGTCTTCAATAATTTTAAATTTTG
                                                                                         2500 TATTTTTTACAGCTTATAACACACACTTTTATTAGAAAAGTTATACATAACACAGCATC
                                                                                                                 15 TITITITITICAGCITATAACACAACTITIATTANAAAAGTTATACATAACATAGCATC
                                               Gaps
                                               27;
Length 526;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2965 ATGATTTCTGATGCTATCTGCTCTGTTAATAACAAAGATTTCA 3007
11.3%; Score 352.4; DB 5; Length 86.2%; Pred. No. 1.4e-59; cive 0; Mismatches 45; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 86.23
Matches 451; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            483
```

Sequence 940497, Sequence 64490, A Sequence 64491, A Sequence 165728, Sequence 165729,

Sequence 779137, Sequence 779138, Sequence 884403

Sequence 1, Appli Sequence 98156, A Sequence 711565,

10 US-10-301-480-801688 6 US-09-925-065A-940497 6 US-09-925-065A-64491 9 US-10-301-480-165728 10 US-10-301-480-165729 10 US-10-301-480-79138 10 US-10-301-480-79138 14 US-11-120-925-1 15 US-09-925-065A-884403 16 US-10-301-480-711565 17 US-09-925-065A-891765 18 US-09-925-065A-891765 18 US-09-925-065A-891765 18 US-09-925-065A-81225 18 US-09-925-065A-81225 18 US-09-925-065A-81225 18 US-09-925-065A-81225 18 US-09-925-065A-81225 18 US-09-925-065A-81225 18 US-09-925-065A-919765 18 US-09-925-065A-919765 18 US-09-925-065A-919765 18 US-09-925-065A-919765 18 US-09-925-065A-919765 18 US-09-925-065A-919765 18 US-09-925-065A-919765 18 US-09-925-065A-919765 18 US-09-925-065A-919765 18 US-09-925-065A-919765 18 US-09-925-065A-919765 18 US-09-925-065A-919765 18 US-09-925-065A-919765 18 US-09-925-065A-919765

188056

11999 11999 11999 528 528 592 201 149382 578 807

```
0 0 0 0 0 0 0
                                                                                                                                                                                                                            000
                                                                                                                                                                                                                                                                                                               00000
                                                                                                                March 28, 2006, 09:11:15 ; Search time 1347.65 Seconds (without alignments) 9210.981 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                          | SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
| SIDSS/ptodate1/lpubpna/USOB NEW PUB. seq:*
                                                                                                                                                                                                                                                                                                                                                18517308
                GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd
                                                                                                                                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                              9258654 segs, 1993127192 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Published Applications NA New:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                 Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                 nucleic search, using sw model
                                                                                                                                                                                                                                                           IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                                                                                                                 length: 0
length: 2000000000
                                                                                                                                                                                    US-09-766-511B-51
3114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Post-processing:
                                                                                                                                                                                                                                                                                                                                                                                  sed
                                                                                                                                                                                      Title:
Perfect score:
                                                                                                                                                                                                                                                             Scoring table:
                                                                                   OM nucleic -
                                                                                                                                                                                                                                                                                                                                                                                  Minimum DB
Maximum DB
                                                                                                                                                                                                                          Sequence:
                                                                                                                                                                                                                                                                                                               Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Database
                                                                                                                     Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Result
```

Sequence 79562; Sequence 93765; Sequence 35174, A Sequence 13272, A Sequence 570705; Sequence 51459; Sequence 53459; Sequence 1149868; Sequence 13, Appl

Sequence 333232, Sequence 946641, Sequence 676298,

US-09-925-065A-254266

191797 581 582 582 582 582

ALIGNMENTS

```
Squence 15, Application US/10821234
; Squence 75, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
    APPLICANT: Labat, Ivan
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR PILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SEQ ID NO 55.
; SEQ ID NO 75.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2609
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2670 ACAAACAGGGAAAACTCCATGGTTTACAGGCATGTCATATTGAAAATAAAGCTGCAATAG 2729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GTAACAAGAAACTAATGACCTTTCTAAAATCAAAACTTCAATTATCTACAATGTCTTTTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2560 AACTATTTCAAG-----AACCCAATAAGCAACAAAAAACTAACAAAATGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2610 GTAACAAGAAACTAATGACCTTTCTAAAATCAAACATTCAATTATCTACAATGTCTATTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2500 TATTTTTTACAGCTTATAACACAACTTTTATTAGAAAGTTATACATAACACAGCATC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 3659;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 364.6; DB 8; Length
Pred. No. 1.2e-50;
0; Mismatches 34; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11.7%;
88.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 88.3
Matches 462; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 3659
                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-821-234-75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
```

Sequence 498555, Sequence 1111964, Sequence 870974, Sequence 436943,

Sequence 659928, Sequence 635846, Sequence 304160,

Sequence 75, A Sequence 4, A Sequence 32, Sequence 25, Sequence 55, Sequence 55,

1 US-11-112-908-4 1 US-11-112-908-32 1 US-11-121-086-25 1 US-11-114-798-55 1 US-11-114-798-55 1 US-11-121-086-45 1 US-925-065A-659928 US-09-925-065A-304160

173120 182303

356.2 356.2 346.6 81.4 81.2 80.6

Score

Š.

Description

Sequence 724976, Sequence 87038, A Sequence 87039, A Sequence 188278, Sequence 188279,

0 US-10-301-480-498555 US-00-325-065A-870974 US-09-925-065A-724976 US-09-925-065A-87038 US-09-925-065A-87038 US-09-925-065A-87038 US-09-925-065A-87038 US-09-925-065A-87038 US-10-301-480-188278 US-10-301-480-188279

560 861 565 565 565 565

υ

10

2

8

```
3239 TAACTTTGCCCTAAAAAGTTAAGACATATTCTGATAATCATAACAGTCACATGATTTCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    73712 TACAGCTTATAACACAACTTTTATTAGAAAGTTATACATAACATAGCATCAACTATTTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       73772 CAAGAACAATATTAAACCCGATAAGCAACAAAAAACCAGACTAACAAAATGTGTAACAAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2738 ACAATTATCGCTCTCAAGAAAATGAATCATTAAGACAGTAATTAGGAGTTCACAAATTTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAACATTTCACGTAATTTTAAATTATTGTCTTCAATAATTTTAAATTATTGAAGTCTGAG
                                                                                                                          2916 TAACTTTGCCCT-AAAAGTTAAGACATATTCTGAGAATCATAATAGTCACATGATTTCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CAAG------AACCCAATAAGCAACAAAAACCAGACTAACAAAATGTGTAACAAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AACTAATGACCTTTCTAAAATCAAACATTCAATTATCTACAATGTCTATTTTACAAACAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GAAAACTCCATGGTTTACAGGCATGTCATATTGAAAATAAAGCTGCAATAGC-TTTTTAT
                  AACATITICACGIAATITITAAATTATIGICITICAATAATTTTAAATTATTIGAAGTCTGAGT
                                                    ------ATACACTGAAGTCTGAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2509 TACAGCTTATAACACAACTTTTATTAGAAAAGTTATACATAACACAGCATCAACTATTT
                                                                                                TTCAAAAGTGA---TTTTTTCCCACAAAGGTGCCAACACTTAAGCTAGAGCTTTCAGTGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 193363;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            39; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 14;
                                                                                                                                                                                                                                                                                          2975 AIGCIAICIGCICIGITAAIAACAAAGAITICA 3007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 346.6; DB 1
Pred. No. 3.3e-47;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Davis, Lisa M.
APPLICANT: Davis, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE SPERENCE: 04-164-US
CURRENT APPLICATION NUMBER: US/11/112,908
CURRENT PILING DATE: 2005-04-22
PRIOR APPLICATION NUMBER: US 60/564,758
PRIOR FILING DATE: 2004-06-13
PRIOR FILING DATE: 2004-06-01
PRIOR FILING DATE: 2004-06-01
PRIOR PELICATION NUMBER: US 60/631,702
PRIOR FILING DATE: 2004-11-30
PRIOR FILING DATE: 2004-11-30
PRIOR FILING DATE: 2004-11-30
PRIOR FILING DATE: 2004-11-30
PRIOR FILING DATE: 2004-12-07
NUMBER OF SEQ ID NOS: 511
SOFTWARE: Patentin version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
11.1%; Score 346.6; I
Best Local Similarity 87.1%; Pred. No. 3.3e-
Matches 447; Conservative 0; Mismatches
                                                      3347 AACATTTCACATAATTTTAAATTATTGGGT
                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 32, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens
US-11-112-908-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentl
SEQ ID NO 32
LENGTH: 193363
                                                                                                                                                                                                                                                                                                                                                                 RESULT 3
US-11-112-908-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2798
                  2799
                                                                                                2859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               q
                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                        셤
                                                                                                ò
                                                                                                                                    g
                                                                                                                                                                            8
                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2738
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CAATTATCGCTCTCAAGAAAATGAATCATTAAGACAGTAATTAGGAGTTCACAAATTTAA 2798
                                                                                                                                                                                                     2902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2848
                                                                                                                                                                                                                                                                                   2964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3588
                                                                                                                                                             350
                                                                                                                                                                                                                                                                                                                         CITICAGIGITAACTITIGCCCTAAAAGTTAAGACATATICTGATAATCATAACAGTCAC 470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACTAATGACCTTTCTAAAATCAAACATTCAATTATCTACAATGTCTTTTTACAAACGGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            183 ACAAACGGGGAAAACTCCTTGGTTTACAGGCACATCATATTGAATATAAAGCTGCAATAG
                                                                 243 CAATTTTATACAATTACCACTCTGAAGAAACTGAATCATTAAAAACAGTAATTACGAGTTC
                                                                                                                       ACAAATTTAAAAACATTTCACGTAATTTTAAATTATTGTCTTCAATAATTTTTAAATTATTG
                                                                                                                                                     ACAAATTTAAAACATTTCACATAATTTTAAATTATTGGGT------ATACACTG
                                                                                                                                                                                                     AAGTCTGAGTTTCAAAAGTGA---TTTTTTCCCACAAAGGTGCCAACACTTAAGCTAGAG
                                                                                                                                                                                                                             351 AAGTCTGAGTTTCAAAAGTGATTTTTTTTTCCCACAAAAGTTTCAACACTTAAGCTAGAA
                                                                                                                                                                                                                                                                                   CTTTCAGTGTTAACTTTGCCCT-AAAAGTTAAGACATATTCTGAGAATCATAATAGTCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3647 ACAGCTTATAACACAACTTTTATTAGAAAGTTATACATAACATAGCATCAACTATTTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3587 AAGAACAATATTAAACCCGATAAGCAACAAAAACCAGACTAACAAAATGTGTAACAAGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2620 ACTAATGACCTTTCTAAAATCAAACATTCAATTATCTACAATGTCTATTTACAAACAGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAAACTCCATGGTTTACAGGCATGTCATATTGAAAATAAAGCTGCAATAGC-TTTTTATA
                                       2730 C-TTTTTATACAATTATCGCTCTCAAGAAAATGAATCATTAAGACAGTAATTAGGAGTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2510 ACAGCTTATAACACAACTTTTATTAGAAAAGTTATACATAACACAGCATCAACTATTTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2570 AAG-----AACCCAATAAGCAACAAAAAACCAGACTAACAAAATGTGTAACAAGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 356.2; DB 14; Length 3647;
Pred. No. 3e-49;
0; Mismatches 33; Indels 27; Gaps
                                                                                                                                                                                                                                                                                                                                                                     ATGATITICIGAIGCIAICIGCICIGIIAAIAACAAAGAIITCA 3007
                                                                                                                                                                                                                                                                                                                                                                                          ATGATTTCTGATGCTATCTGGTCTGTTAATAATAAAGTCTTTA 513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 4, Application US/11112908
Publication No. US20050260659A1
GENERAL INFORMATION:
APPLICANT: Harris, Cole
APPLICANT: Davis, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE REFRENCE: 04-105
CURRENT APPLICATION NUMBER: US/11/112,908
CURRENT APPLICATION NUMBER: US 60/564,758
PRIOR APPLICATION NUMBER: US 60/564,758
PRIOR PILING DATE: 2004-04-23
PRIOR FILING DATE: 2004-06-01
PRIOR PLING DATE: 2004-06-01
PRIOR APPLICATION NUMBER: US 60/631,702
PRIOR PELING DATE: 2004-11-30
PRIOR FILING DATE: 2004-11-30
PRIOR FILING DATE: 2004-11-30
PRIOR FILING DATE: 2004-11-30
SOFTWARE: Patentin version 3.3
SEQ ID NO 4
LENGTH: 3647
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 88.3%;
Matches 453; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 2
US-11-112-908-4/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-11-112-908-4
                                                                                                                       2789
                                                                                                                                                             303
                                                                                                                                                                                                     2849
                                                                                                                                                                                                                                                                                   2906
                                                                                                                                                                                                                                                                                                                             411
                                                                                                                                                                                                                                                                                                                                                                   2965
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3407
                                                                                                                                                                                                                                                                                                                                                                                                         471
                                                                           셤
                                                                                                                     ò
                                                                                                                                                           g
                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                엄
```

74011

73831

2678

73771

ů,

73891

ઠે 셤 ઠે g ઠે ద

```
US-11-114-798-55

US-11-114-798-55

Sequence 55, Application US/11114798

Sequence 55, Application US/11114798

Bublication No. US20060035246A1

GENERAL INFORMATION:
TAPLICANT: WIN RINA
APPLICANT: WARQUEZ

TITLE OF INVENTION: COMPOSITIONS
TITLE OF INVENTION: COMPOSITIONS
FILE REFERENCE: 0618.011.0004

CURRENT APPLICATION NUMBER: US/11/114,798

CURRENT FILING DATE: 2005-04-26

PRIOR APPLICATION NUMBER: 09/952,851

PRIOR APPLICATION NUMBER: 09/952,851

PRIOR APPLICATION NUMBER: 09/952,851

PRIOR FILING DATE: 2001-09-14

NUMBER OF SEQ ID NOS: 58

SOFTWARE: Patentin Ver: 3.3

SEQ ID NO 55

TEMBER OF SEC 10 NO 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2817 AAATTATTGTTTTCAATAATTTTTAAATTATTGAAGTCTGAGTTTTCAAAAGTGATTTTTTC 2876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2877 CCACAAAGGTGCCAACACTTAAGCTAGAGCTTTCAGTGTTAACTTTGCCCTAAAAGTTAA 2936
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2997 CAAAGATTTCACACATGAATACCTATGTAACAAATCTCCATGTTCTACACATATACCCCA 3056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ä
                                                                                                                                                                                                         2637 AATCAAACATTCAATTATCTACAATGTCTATTTACAAACAGGAAAACTCCATGGTTTAC
                                                                                                                                                                                                                                                                                                      2697 AGGCATGTCATATTGAAAATAAAGCTGCAATAGCTTTTTTATACAATTATGGCTCTCAAGA
                                                                                                                                                                                                                                                                                                                                                                                                 AAATGAATCATTAAGACAGTAATTAGGAGTTCACAAATTTAAAACATTTCACGTAATTTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2937 GACATATTCTGAGAATCATAATAGTCACATGATTTCTGATGCTATCTGCTGTTAATAA
                   CAACTITIATTAGAAAAGTTATACATAACACGCATCAACTATTTTCAAGAACCCAATAA
                                                                                                              2583 GCAACAAAAACCAGACTAACAAAATGTGTAACA-----AGAAACTAATGACCTTTCTAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: nucleotide sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 2.6%; Score 81.2; DB 11; Length Best Local Similarity 55.1%; Pred. No. 0.0018; Matches 228; Conservative 0; Mismatches 173; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          136184 TÁTATTTATATTTATAT 136166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GAACTTAAAGTATAAT 3075
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 173120
                        2523
                                                                                                                                                                                                                                                                                                                                                                                                   2757
                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                ઠે
                                                                                                                                                g
                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                   à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           136904 TATATTATATATATATATATAAACATATTATAAAATATATATATATATATATATATAAACAT 136845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          137257 ТТАТАТАТТАТТАТТАТАТАТАТАСАТАТТАТААТАТАТАТАТАТАТАТАТАТАТАТАТТТАТА 137198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2050 CACAACAATTTTTTAAATTAATTTAGCAAATATTTGGATATTAAAGCTTCTTATAGAAAG 2109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2110 AGATACCTGTATATTTAAGCCATGATGAGGTATATACAATGTTATAATTATTACTTGTAC 2169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2230 GGCTTTAATTTTTCTCCTGATATTAAAATAGATACAGTAACTTTCATTATGTTAGTGCTG 2289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2290 IAAAATTTTTTTTCCATCTTCTATTTTTGACCATTTTTATTCCACATGTGCTCTTAATA 2349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1990 TIGIAACIGIGAIGCAIAIGIAGAITCIAACACAITITICCCCCTIGAAIAGAAAITIGG 2049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2350 AGTAGCATATAGTTAAATTTTAAAAATCCAATATGGCAATCACCTTTTAGGTTAAAAAT 2409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2410 TTAATCCATTTACATTTGTGACAATTCGACATATATATGGTTCTAAAATCTATCATCTTAC 2469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2470 TAGGTGGTTTCCATTTCCTCTGCTC-----CAAAATATTTTTTTACAGCTTATAAACA 2522
TTTCAAAAGTGA---TTTTTTCCCACACAAAGGTGCCAACACTTAAGCTAGAGCTTTCAGTG
                                         74060 Tricaaaagigaririririricccacaaagirircaacariraagciagaaciricagig
                                                                                        2915 ITAACTITGCCCTAAAAGTTAAGACATATTCTGAGAATCATAATAGTCACATGATTTCTG
                                                                                                                                                                                                                                                                                                                                             Sequence 25, Application US/11121086
Publication No. US20050266459A1
GENERAL INPORMATION:
APPLICANT: NIELSEN, KIRSTEN V.
TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES FILE REFRENCE: 09138.6000.00000
CURRENT APPLICATION NUMBER: US/11/121,086
CURRENT FILING DATE: 2005-05-04
PRIOR FILING DATE: 2006-05-04
NUMBER OF SEQ ID NOS: 107
SOFTWARE: Patentin version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 173602;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 81.4; DB 14; Length 1. Pred. No. 0.0016; 0; Mismatches 586; Indels
                                                                                                                                                                                                                                    74179 ATGCTATCTGGTCTGTTAATAATAAGTCTTTA 74211
                                                                                                                                                                                     ATGCTATCTGCTCTGTTAATAACAAGATTTCA 3007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 44.9°
Matches 493; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 173602
                                                                                                                                                                                                                                                                                                                              -11-121-086-25/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-11-121-086-25
                                                                                                                                                                                     2975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 25
2858
```

Contract to the second

ò g

a ð 엄 ò g Š g

ઠે 유 δ ò 셤

ò g

56752 2478

```
2425 ITGIGACAATICGACATATATATGGITCTAAATCTATCATCTTACTAGGGGGTTTCCATT 2484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2545 ACATAACACAGCATCAACTATTTTCAAGAACCCAATAAGCAACAAAAACCAGACTAACAA 2604
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            369 TITICITITATATAATCTGAGTTTTCCCACCTTGCTTTTTCCATTATGCTGATTTT 428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        205 TTCCATTAATTTCAACTTTCTTACATTTTGGGTCTGTTTCTATGAACAGTATATTGTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              309 rigigergaracerriaraarrigarriarriarricierricierricierrar
                    2419 TTACATTTGTGACAATTCGACATATATGGTTCTAAATCTATCATCTTACTAGGTGGTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2189 ATCATIGIGGAGTCACTITCTITAAAITITAGTAAIGCCTTTGGCTTTA----ATTTTTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             87 ATRATAATGTAATGACTGTCTTTAATCTCTAATAATGCTTTTAGTCTTAAAATATATTTTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2305 CATCTTCTATTTTGACCATTTTTATTCCACATGTGCTCTTAATAAGTAGCATATAAGTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2365 AATTITAAAAATCCAATATGGCAATCACCTTTTAGGTTAAAAATTTAATCCATTTACAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            265 ATTITIA------ATCCAACITAATGATCTATTAACTAAICTATTATAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2485 TCCTCTGCTCCAAAATATTTTTTTTTACAGCTTATAACACAACTTTTATTAGAAAAGTTAT
                                                                  5693 TTACATTTATTTAGTTACACATTTAGATTCATGTCTATCATCTTATTTTGTAGGTTCTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27 ccrgratraggracaracaarcraaarrigrrarrrrrarrcriggcaacrigarcrirr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               147 rérerrarraraderacerraerrirerriragrarrieiri--raiggaragiré
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2129 CCATGATGAGGTATATACAATGTTATAATTATTACTTGTACATGGCAAATTATTTTTT
                                                                                                                                                                 56753 İTGGCİCTGİTİTCİTGTTTCİTCİTİTİCTTACCİTCİTACGACTTİTİTT 56806
                                                                                                                   2479 ICCATITCCICIGCICCAAAAAATTTTTTTTACAGCTTATAACACACATTTTAT 2532
                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:

GENERAL INFORMATION:

TITLE OF INVENTION: Identification and Mapping of Single

TITLE OF INVENTION: Moclectide Polymorphisms in the Human Genome

FILE REFERENCE: 108827.135

CURRENT APPLICATION NUMBER: US/09/925,065A

CURRENT FILING DATE: 2001-08-08

PRIOR PELING DATE: 2000-10-24

PRIOR PELING DATE: 2000-11-24

PRIOR APPLICATION NUMBER: US 60/250,147

PRIOR APPLICATION NUMBER: US 60/250,092

PRIOR APPLICATION NUMBER: US 60/250,092

PRIOR PELING DATE: 2000-11-16

PRIOR PELING DATE: 2001-01-16

PRIOR PELING DATE: 2001-01-16

PRIOR PELING DATE: 2001-05-09

PRIOR FILING DATE: 2001-05-09

PRIOR FILING DATE: 2001-05-09

NUMBER OF SEQ ID NOS: 957086

SOFTWARE: FRASESQ for Windows Version 4.0

SEQ ID NO 659928

LENGTH: 595
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 595;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'Match 2.6%; Score 80.6; DB 6; Length 5 Local Similarity 51.4%; Pred. No. 0.00048; les 276; Conservative 0; Mismatches 239; Indels
                                                                                                                                                                                                                                                                                    ; Sequence 659928, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-925-065A-659928
                                                                                                                                                                                                                                           RESULT 7
US-09-925-065A-659928
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Loca
Matches
                                                                셤
                                                                                                                     ઠે
                                                                                                                                                                   ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                       ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ठ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            56633 CTGAAATTTTAAAAGTCAAACCTGACAATATTTATCTTTCAGTTGGAGGCTTCATTTTGT 56692
                                           34479 TTATTAĞGTGCCCACGTATTTAGATCTATTATTTCTTCATĞGTGAATTGAGTCTTTCCGT 34538
                                                                                                                                               34598
                                                                                                                                                                                                                                              34658
                                                                                                                                                                                                                                                                                                                                          34659 Tritacirircaacarirircargaccirargiririrggigigaccarraaaaaragcriarag 34718
                                                                                                                                                                                                                                                                                                                                                                                                                                              34778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TIACATITATITITAGITACACATITAGATICATGICIATCATCATCATATITIGIAGGITCTA 34838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             56512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            56572
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          56632
                                                                                                                                                                                                                                                                                                                                                                                             2418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3;
34539 TATATGTAGTGACTTTCTTTATCTCTAATGATGCCTTTTAGCTTAAAGTCTATTTTGTCT
                                                                                                                                                                                                                                           34599 GAAGTTAATACGGTGACTCAAATCTTCTTTTGATTAGTGCTTGTCTGAAATATATTTTTT
                                                                                                                                                                                                                                                                                                                                                                                             2362 TTAAATTTTAAAAAATCCAATATGGCAA---TCACCTTTTAGGTTAAAAATTTAATCCAT
                                                                                                                                                                                                                                                                                                                                                                                                                                           34719 cigaaariiraaaagicaaaccigacaararirarciricagriggaggcricaririgi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TTACATTTGTGACAATTCGACATATATATGGTTCTAAATCTATCATCTTACTAGGTGGTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             56393 TTATTAGGTGCCCACGTATTTAGATCTATTATTCTTCATGGTGAATTGAGTCTTTCCGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          56453 TATATGTAGTGACTTTCTTTATCTCTAATGATGCCTTTAAGCTTTAAAGTCTATTTTGTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            56513 GAAGTTAATACGGTGACTCAAATCTTCTTTTGATTAGTGCTTGTCTGAAATATTTTTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TTCCATCTTCTATTTTTGACCATTTTTATTCCACATGTGCTCTTAATAAGTAGCATATAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Trractricaacatrircargaccritargritriggigaccarraaaaaragcriarag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2362 TIAAATITIAAAAAATCCAATAIGGCAA---TCACCITITIAGGITAAAAATITAATCCAT
                                                                                                                                                                                                                                                                                              TTCCATCTTCTATTTTTGACCATTTTTATTCCACATGTGCTCTTAATAAGTAGCATATAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2192 ATTGTGGAGTCACTTTCTTTAAATTTAGTAATGCCTTTTGGCTTTTAA----TTTTTCTCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GATATTAAAATAGATACAGTAACTTTCATTATGTTAGTGCTGT-----AAAATTTTTTT
                                                                                                                                                                                             GATATTAAAATAGATACAGTAACTTTCATTATGTTAGTGCTGT-----AAAATTTTTTT
                                                                                                 ATTGTGGAGTCACTTTCTTTAAATTTAGTAATGCCTTTGGCTTTAA----TTTTTCTCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 45, Application US/11121086
Publication No. US20050266459A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL TILLE SOURCE ACID PROBES AND NUCLEIC ACID ANALOG PROBES
FILE REPERENCE: 09138.6000.00000
CURRENT APPLICATION NUMBER: US/11/121,086
CURRENT APPLICATION NUMBER: 60/567,570
PRIOR APPLICATION NUMBER: 60/567,570
PRIOR FILING DATE: 2004-05-04
PRIOR FILING DATE: 2004-05-04
PRIOR FILING DATE: 2004-05-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TCCATTTCCTCTGCTCCAAAATATTTTTTTTACAGCTTATAACACATTTTAT 2532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 182303;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 2.6%; Score 81.2; DB 14;
Best Local Similarity 55.1%; Pred. No. 0.0018;
Matches 228; Conservative 0; Mismatches 173;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin version 3.3 SEQ ID NO 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 182303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          -11-121-086-45
2132
                                                                                                 2192
                                                                                                                                                                                             2248
                                                                                                                                                                                                                                                                                              2302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2479
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               34779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             56573
                                      셤
                                                                                              ઠ
                                                                                                                                       g
                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                      엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
```

2304

96

Gaps

```
SEQ ID NO 498555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3008 CACATGAATACCTATGTAACAAATCTCCCATGTTCTACACATATACCCCAGAACTTAAAGT 3067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2948 AGAATCATAATAGTCACATGATTTCTGATGCTATCTGCTCTGTTAATAACAAAGATTTCA 3007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              143 AGCATTAGAAGATATACCTAATGTAAATGATGGGTTAATGGGTGCAGCAGCACAACATGG 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           203 CACATGGATACATATGTAACAAACCTGCACGTTGTGCACATGTACCCTAGAACTTAAAGT 262
429 GCATAAAACACTCTGTTATTTCAGTTTTTACTCCTGGAATTTTACCAAGTATACTAAGCA 488
                                                                                                                                         AAATTGAAAGAATATCTTATTAATTTTTTAATAAGTTAATACTTCCTTAACAATAAT 545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Publication No. US20040181048A1
FURDICATION No. US20040181048A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Uncledide Polymorphisms in the Human Genome TITLE OF INVENTION: Uncledide Polymorphisms in the Human Genome FILE REFERENCE: 108827.135
CURRENT APPLICATION NUMBER: US/09/925,065A
CURRENT FILING DATE: 2001-08-08
FRIOR APPLICATION NUMBER: US 60/243,096
FRIOR FILING DATE: 2000-10-24
FRIOR APPLICATION NUMBER: US 60/250,147
FRIOR APPLICATION NUMBER: US 60/250,092
FRIOR FILING DATE: 2000-11-20
FRIOR FILING DATE: 2000-11-30
FRIOR FILING DATE: 2000-11-16
FRIOR FILING DATE: 2001-10-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-01-16
FRIOR FILING DATE: 2001-01-16
                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: NUCLECTION NUCLECTION NUCLECTION
CURRENT PILING DATE: 2001-08-08
PRIOR PILING DATE: 2000-10-24
PRIOR PILING DATE: 2000-11-20
PRIOR PILING DATE: 2000-11-20
PRIOR PILING DATE: 2000-11-20
PRIOR PILING DATE: 2000-11-30
PRIOR PILING DATE: 2000-11-6
PRIOR PILING DATE: 2000-11-6
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2.4%; Score 75; DB 6; Length 584;
66.3%; Pred. No. 0.004;
iive 0; Mismatches 55; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-925-065A-635846
; Sequence 635846, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 66.3
Matches 108; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-925-065A-304160/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OKGANISM: DOWO 59,
US-09-925-065A-635846
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 635846
                                                                      2605
                                                                                                                                         489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
d
                                                                                                                                     음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                      ઠ
```

```
Sequence 498555, Application US/10301480
Publication No. US20060057564A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT:
Mang, David G.
TITLE OF INVENTION: in the Human Genome
TITLE OF INVENTION: in the Human Genome
FILE REFERENCE: 108827.137
CURRENT APPLICATION NUMBER: US/10/301,480
CURRENT PILING DATE: 2002-11-21
FRIOR FILING DATE: 2002-08-09
FRIOR FILING DATE: 2001-08-10
FRIOR FILING DATE: 2001-08-10
FRIOR FILING DATE: 2001-08-10
FRIOR FILING DATE: 2001-08-10
FRIOR FILING DATE: 2001-08-10
FRIOR FILING DATE: 2001-08-10
FRIOR FILING DATE: 2001-08-10
FRIOR FILING DATE: 2001-08-10
FRIOR FILING DATE: 2001-08-10
FRIOR FILING DATE: 2001-08-10
FRIOR FILING DATE: 2001-08-10
FRIOR FILING DATE: 2001-08-10
FRIOR FILING DATE: 2001-08-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1111964, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identifiction and Mapping of Single Nucleotide Polymorphisms
                                                                                                                                                                                                                                                                                                                                                                                                                                 2989 GTTAATAACAAAGATTTCACACATGAATACCTATGTAACAAATCTCCCATGTTCTACACAT 3048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2949 GAATCATAATAGTCACATGATTTCTGATGCTATCTGCTCTGTTAATAACAAAGATTTCAC 3008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3009 ACATGAATACCTATGTAACAAATCTCCATGTTCTACACATATACCCCAGAACTTAAAGTA 3068
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    64 ACATGTATACCTATGTAACAAACCTGCACGTTGTGCACATGTACCCTAGAACTTGAAGTA 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          326 Grecaccacatrarecacarerararacararerareras
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4 GCATTAGGAGAAATACCTAATGTAAATGATGAGTTGATGGGTGCAGCACACCAACATGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 2.4%; Score 74.2; DB 10; Length 566; Best Local Similarity 65.8%; Pred. No. 0.0054; Matches 106; Conservative 1; Mismatches 54; Indels 0
                                                                                                                                                                                                                                                                                            Score 74.4; DB 6; Length 5 Pred. No. 0.005; 0; Mismatches 31; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       124 TAAYAATAAAAAAAGATATTAACATTTTAAAACAAAAAA 164
PRIOR FILING DATE: 2001-05-09
NUMBER OF SEQ ID NOS: 957086
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 344160
LENGTH: 559
                                                                                                                                                                                                                                                                                                Query Match 2.4%;
Best Local Similarity 75.0%;
Matches 93; Conservative
                                                                                                                                                                                             ; ORGANISM: Homo sapiens
US-09-925-065A-304160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3109 AAAA 3112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                206 AGAA 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 11
US-10-301-480-1111964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-301-480-498555
```

```
Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3103 AAAAAAA 3109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  152 AAAAAA 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-925-065A-724976/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-925-065A-436943
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠ
                                                                                        ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ਨੇ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                            ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3008 CACATGAATACCTATGTAACAAATCTCCATGTTCTACACATATACCCCAGAACTTAAAGT 3067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2949 GAATCATAATAGTCACATGATTTCTGATGCTATCTGCTCTGTTAATAACAAAGATTTCAC 3008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3009 ACATGAATACCTATGTAACAAATCTCCATGTTCTACACATATACCCCAGAACTTAAAGTA 3068
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2948 AGAATCATAATAGTCACATGATTTCTGATGCTATCTGCTCTGTTAATAACAAAGATTTCA 3007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          387 CACATGTATACCTATGTATCGAACCTGCATGTTGTGCACATGTAGACCTTAAAGT 328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               447 AGCATTAGGAGAAATACCTAATGTAAATGATGAGTTGATGGGTGCGGCGAACCAACATGG 388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   64 ACATGTATACCTATGTAAACCTGCACGTTGTGCACATGTACCCTAGAACTTGAAGTA 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4 GCATTAGGAGAAATACCTAATGTAAATGATGAGTTGATGGGTGCAGCACCAACATGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: Identification and Mapping of Single
TITLE REFERENCE: 108827.135
CURRENT APPLICATION NUMBER: US/09/925,065A
CURRENT FILING DATE: 2001-08-08
PRIOR PILING DATE: 2000-10-24
PRIOR PILING DATE: 2000-11-20
PRIOR PILING DATE: 2000-11-20
PRIOR PILING DATE: 2000-11-30
PRIOR PILING DATE: 2000-11-30
PRIOR PILING DATE: 2000-11-6
PRIOR PILING DATE: 2000-11-6
PRIOR PILING DATE: 2000-11-6
PRIOR PILING DATE: 2000-11-6
PRIOR PILING DATE: 2000-10-6
PRIOR PILING DATE: 2000-10-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
PRIOR PILING DATE: 2001-01-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 74.2; DB 10; Length 566;
Pred. No. 0.0054;
1; Mismatches 54; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 2.4%; Score 74.2; DB 6; Length 647; Best Local Similarity 65.3%; Pred. No. 0.0056; Matches 109; Conservative 0; Mismatches 58; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3069 TAATAATAAAACATAGCAAAGCCTTTAAAAAAAAAA 3109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            124 TAAYAATAAAAAAGATATTAAACATTTTAAAACAAAAAA 164
TITLE OF INVENTION: in the Human Genome FILE REFERENCE: 108827.137
CURRENT APPLICATION NUMBER: US/10/301,480
CURRENT FILING DATE: 2002-11-21
PRIOR APPLICATION NUMBER: US 10/215,598
PRIOR FILING DATE: 2002-08-09
PRIOR FILING DATE: 2002-08-10
NUMBER OF SEQ ID NOS: 1226818
SOFTWARE: PSECSEQ for Windows Version 4.0
SEQ ID NO 111964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 870974, Application US/09925065A Publication No. US20040181048A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 65.8%;
Matches 106; Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Homo sapiens
US-09-925-065A-870974
                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo sapien
US-10-301-480-1111964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 12
US-09-925-065A-870974/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 870974
LENGTH: 647
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
```

```
3043 ACACATATACCCCAGAACTTAAAGTATAATAATAAAAACATAGCAAAGCCTTTAAAAA 3102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               92 GCACATGTACCCTAGAACTTGAAGTATAAYAATAAAAAAAAAGATATTAACATTTTAAAACA 151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2983 IGCICIGITAAIAACAAAGAITITCACACAIGAAIACCIAIGIAACAAAICICCAIGIICI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gapa
                                                                                                                   US-09-925-065A-436943
; Sequence 436943, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION: US20040181048A1
; GENERAL INFORMATION: US20040181048A1
; GENERAL INFORMATION: Identification and Mapping of Single
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: UNCleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2000-10-24
; PRIOR PILING DATE: 2000-11-20
; PRIOR PILING DATE: 2000-11-30
; PRIOR FILING DATE: 2000-11-30
; PRIOR FILING DATE: 2000-11-30
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-01-16
; SEQ ID NO 436943
; LENGTH: 560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 724976, Application US/09925065A; Sequence 724976, Application US/09925065A; Publication No. U320040181048A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
TITLE OF INVENTION: NUMBER: US/09/925,065A
CURRENT APPLICATION NUMBER: US 60/243,096
PRIOR PILING DATE: 2000-11-20
PRIOR PILING DATE: 2000-11-20
PRIOR PILING DATE: 2000-11-30
PRIOR PILING DATE: 2000-11-30
PRIOR PILING DATE: 2001-10-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-05-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 73.8; DB 6; Length 560;
Pred. No. 0.0062;
1; Mismatches 33; Indels
327 ATAATAAAATAAAATAAAATATAACWGTTCATAACAAAGAAAAAA 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 73.2%;
Matches 93; Conservative 1
```

ö

```
3007 ACACATGAATACCTATGTAACAAATCTCCATGTTCTACACATATACCCCAGAACTTAAAG 3066
                                                                                                                                                                                                                                                                                                                                     2948 AGAATCATAATAGTCACATGATTTCTGATGCTATCTGCTCTGTTAATAACAAAGATTTCA 3007
                                                                                                                                                                                                                                                                                                                                                                                                                                                   3008 CACATGAATACCTATGTAACAAATCTCCATGTTCTACACATATACCCCAGAACTTAAAGT 3067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2947 GAGAATCATAATAGTCACATGATTTCTGATGCTATCTGCTCTGTTAATAACAAAGATTTC 3006
                                                                                                                                                                                                                                                                                                                                                                                         732 Agcarraggadararaccraargraargacaagrraarggarggaggaggaggaggg 673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   672 CACATGTATACATATGTAACAAACCTGCATATTGTGCACATGTACCCTAAAACTTAAAGT 613
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  388 GAGCATTAGGAGATATACCTAACGTAAATGACAAGTTAATGGGTGCAGCACCAACATG 447
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   448 GCACATGTATACCTATGTAACAAACCTGCACGTTGTGCACATGTACCCTAGAACTTAAAG 507
                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 87038

Sequence 87038

Sequence 87038

Sequence 87038

Publication No. US20040181048A1

GENERAL INFORMATION:

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single

TITLE OF INVENTION: Identification and Mapping of Single

TITLE OF INVENTION: Identification and Mapping of Single

TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome

FILE REFERENCE: 108827.135

CURRENT PELING DATE: 2001-08-08

PRIOR FILING DATE: 2000-10-24

PRIOR APPLICATION NUMBER: US 60/252,147

PRIOR APPLICATION NUMBER: US 60/250,092

PRIOR APPLICATION NUMBER: US 60/250,766

PRIOR APPLICATION NUMBER: US 60/261,766

PRIOR APPLICATION NUMBER: US 60/261,766

PRIOR APPLICATION NUMBER: US 60/261,766

PRIOR APPLICATION NUMBER: US 60/261,766

PRIOR APPLICATION NUMBER: US 60/261,766

PRIOR APPLICATION NUMBER: US 60/261,766

PRIOR APPLICATION NUMBER: US 60/261,766

PRIOR FILING DATE: 2001-01-16

SEQ ID NO 87038

LENGTH: 565

LENGTH: 565
                                                                                                                                                                                                                                                                                      ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 2.4%; Score 73.8; DB 6; Length 861; Best Local Similarity 64.7%; Pred. No. 0.007; Matches 108; Conservative 1; Mismatches 58; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 2.4%; Score 73.6; DB 6; Length 565; Best Local Similarity 64.9%; Pred. No. 0.0067; Matches 109; Conservative 0; Mismatches 59; Indels (
NUMBER OF SEQ ID NOS: 957086
SOFTWARE: FRSESEQ for Windows Version 4.0
SEQ ID NO 724976
LENGTH: 861
                                                                                                           TYPE: DNA
CORGANISM: Homo sapiens
US-09-925-065A-724976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-87038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 15
US-09-925-065A-87038
                                                                                                                                                                                                                                                                                                                                                                                         ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
```

Search completed: March 28, 2006, 10:23:34 Job time : 1350.65 secs THIS PAGE BLANK (USPTO)

,

Title: Perfect score:

Sequence:

OM nucleic -

Run on:

Scoring table:

Searched:

Minimum DB Maximum DB

••

Database

```
APPLICANT: BERTUCA, Francois
APPLICANT: BERTUCA, Francois
APPLICANT: HOULGATTE, Remi
APPLICANT: HOULGATTE, Remi
APPLICANT: HOULGATTE, Remi
APPLICANT: HOULGATTE, Remi
TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
FILE REPERENCE: 1423-R-03
CURRENT APPLICATION NUMBER: US/11/000,688
CURRENT PILING DATE: 2004-12-01
PRIOR PILING DATE: 2003-12-01
NUMBER OF SEQ ID NOS: 1596
SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 183
LENGTH: 1364
                                                     Sequence 925710, Sequence 925711, Sequence 31302, A Sequence 31302, A Sequence 20, Appl Sequence 62116, Sequence 620427, Sequence 7018, Appl Sequence 778123, Sequence 778123, Sequence 778123, Sequence 7380, Appl Sequence 7380, Appl Sequence 7380, Appl Sequence 7380, Appl Sequence 7380, Appl Sequence 7380, Appl Sequence 7380, Appl Sequence 24960, Sequence 224960, Sequence 224960, Sequence 224960, Sequence 605836, Sequence 605836,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           201 CAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCAGCTTCTTGGAAGTCATTTGG 260
                   Sequence 525071,
Sequence 1138480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 553280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               261 TTCCAGTTGCTACTTCCATTCCAGTGAAGAGAGAGTTTGGTCTAAGAGTGAGCAGAAACTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    467 GTGCAACTGTTACTTCTCTGTGAACAGAAAACTTGGAACGAAAGTCGGCATCTCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    407 caradaacrecegaaadacrereacrecrerrecrerreceaaaaareceregaace
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         / Match 7.0%; Score 44.2; DB 14; Length 1364; Local Similarity 53.1%; Pred. No. 0.024; nes 94; Conservative 0; Mismatches 83; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Description of Artificial sequences:primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature;
; NAME/KEY: misc_feature;
; LOCATION: (1).7(1364)
; OTHER INFORMATION: killer cell lectin-like receptor subfamily;
; OTHER INFORMATION: d, member 1(KLRD1) gene.
US-11-000-688-183
                           10 US-110-301-480-113848

6 US-09-925-065A-925710

6 US-10-750-153-31302

8 US-110-750-623-31302

14 US-110-750-623-31302

14 US-110-750-623-31302

15 US-09-925-065A-76656

10 US-10-925-065A-76656

10 US-09-925-065A-761381

10 US-10-925-065A-742386

11 US-11-169-041-8

12 US-11-169-041-8

13 US-11-169-041-8

14 US-11-169-041-8

15 US-09-925-065A-709410

16 US-09-925-065A-709410

17 US-11-169-041-8

18 US-10-301-480-380153

10 US-10-301-480-393562

10 US-10-301-480-3239664

10 US-10-301-480-323073
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-301-480-553280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 183, Application US/11000688; Publication No. US20050287544A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                               JS-11-000-688-183
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
  0 0 0 0 0 0 0 0 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           υυ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 46684,
Sequence 13331, A
Sequence 268, App
Sequence 931794,
Sequence 931794,
Sequence 802, App
Sequence 802, App
Sequence 88, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 8739, Ap
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1214793,
Sequence 4351, Ap
Sequence 255, App
                                                                                                                                                               (without alignments)
9210.981 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                    1 atgatgcaagagcagcaacc......agatgaataagatttaccta 627
                                                                                                                                         March 28, 2006, 09:11:15; Search time 271.348 Seconds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Published Applications NA New:*

1: $1DS5/ptcdata/1/pubpna/US06_NEW_PUB.seq:*

2: $1DDS5/ptcdata/1/pubpna/US06_NEW_PUB.seq:*

3: $1DDS5/ptcdata/1/pubpna/US06_NEW_PUB.seq:*

4: $1DS5/ptcdata/1/pubpna/US09_NEW_PUB.seq:*

5: $1DS5/ptcdata/1/pubpna/US09_NEW_PUB.seq:*

6: $1DS5/ptcdata/1/pubpna/US10_NEW_PUB.seq:*

7: $1DS5/ptcdata/1/pubpna/US10_NEW_PUB.seq:*

8: $1DS5/ptcdata/1/pubpna/US10_NEW_PUB.seq:*

9: $1DS5/ptcdata/1/pubpna/US10_NEW_PUB.seq:*

10: $1DS5/ptcdata/1/pubpna/US10_NEW_PUB.seq:*

11: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

13: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

13: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

14: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

15: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

16: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

17: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*

18: $1DS5/ptcdata/1/pubpna/US11_NEW_PUB.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                                  18517308
                   GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /SIDS5/ptodata/1/pubpna/US60 NEW PUB.seg:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4 US-11-000-688-183
4 US-11-152-697-8
4 US-11-152-697-8
4 US-11-152-697-1
1 US-10-995-561-13231
1 US-10-995-561-13231
1 US-10-995-065A-991794
US-09-925-065A-931794
US-09-925-065A-931794
US-10-932-182A-802
US-10-932-182A-802
US-10-932-182A-802
US-10-932-182A-802
US-10-932-182A-802
US-10-932-182A-802
US-10-932-182A-802
US-10-932-182A-802
US-10-932-182A-802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-301-480-601384
US-10-301-480-1214793
US-11-136-527-4351
US-11-136-527-255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-11-098-686-8739
                                                                                                                                                                                                                                                                                                                                                                                                             Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                         9258654 seqs, 1993127192 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                nucleic search, using sw model
                                                                                                                                                                                                                                                                                                          IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                        seq length: 0
seq length: 200000000
                                                                                                                                                                                                                      US-09-766-511B-52
627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4554
1457619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               549
52192
18959
635
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              585
587
6507
6507
625
220895
```

ö

Gарв ô 526

33.8 33.8 33.8 33.8

Score

Result No.

```
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CLOOLSS9
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 12231
LENGTH: 52192
1678 TGGAAGTTCAATGGTGGAAGCTTATATTATTTTCTAGTGTCAAGAAGTCTTGGCATGAG 1737
                                                                                   1738 gergaageagructgogrereceaggaagecearcragearrergreeereceaggagaag 1797
                                           307 AGIGAGCAGAACIGITIGAGAIGGGAGCACAITIGGITGTGTICAACACAGAAGCAGAG 366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    78 TTCCATTGCACTCCTCAGTGCTTGCTTGTGAGCTGTAGTAACTTACCATTTTAC 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            289 AACTAATTTGCTCCTCCAACAAGCTGCAATGGGAGTACTGTTTATTATTTCCATTTAAG 348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           229 AGCTAAATATATTGAGGGTTGACTCTTGCTAGTCACTATTCTGAACACTTTATGTGGGTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18 ACCICAAAGIACAGAGAAAAAGAGGCIGGIIGICCCIGAGACICIGGGICIGGGGAI
                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            67; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6.0%; Score 37.8; D
53.8%; Pred. No. 1.2;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          138 ATATGGTGAAACTGGCAAAAGGCTG 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 349 AGATGAGGAAACTGGAACACAGATG 373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 13231, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
                                                                                                                                                                      1798 CAGGCATTTCTGGTAGAG 1815
                                                                                                                              367 CAGAATTTCATTGTCCAG 384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 53.84
The TR Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Homo sapiens
US-09-925-065A-466884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-995-561-13231/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 466884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ð
                                         à
                                                                                                                              à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1, Application US/11152697
Publication No. US20060003367A1
GENERAL INPORMATION:
GENERAL INPORMATION:
GENERAL INPORMATION:
TITLE OF INVENTION: PROTEIN, BGS-18
TITLE OF INVENTION: PROTEIN, BGS-18
CURRENT APPLICATION UNMBER: US/11/152,697
PRIOR PILLING DATE: 2005-06-14
PRIOR FILLING DATE: 2004-06-15
NUMBER OF SEQ ID NOS: 63
                                                                                                                                              Sequence 8, Application US/11152697
Publication No. US20060003367A1
GENERAL INFORMATION
GENERAL INFORMATION:
TITLE OF INVENTION:
PROTEIN, BGS-18
TITLE OF INVENTION:
FILE REFERENCE: DO242 NP
FILE REFERENCE: DO342 NP
CURRENT APPLICATION NUMBER: US/11/152,697
CURRENT FILING DATE: 2005-06-14
PRIOR PELICATION NUMBER: 60/580,006
PRIOR FILING DATE: 2004-06-15
NUMBER OF SEQ ID NOS: 63
SOUTHWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1255 TGGAAGTTCAATGGTGGAAGCTTATATTTTTTTTTTAGTGTCAAGAAGTCTTGGCATGAG 1314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1315 GCTGAGCAGTTCTGCGTGTCCCAGGAGCCCATCTGGCATCTGGGCCTCCAAGGAGGA 1374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 247 IGGAAGTCATITGGITCCAGITGCTACTICCATITCCAGIGAAAGAGAAGGIITGGICTAAG 306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          247 TGGAAGTCATTTGGTTCCAGTTGCTACTTCCAGTGAAGAAGGTTTGGTCTAAG 306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             307 AGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTTTCAACACACAGAAGCAGAG 366
        TGTTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATTTCAT 377
                                             recrirercagaaarecageeriecrireagerreaaaacaeagareaaeregarrirar 583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
7.0%; Score 43.6; DB 14; Length 3039;
Best Local Similarity 57.2%; Pred. No. 0.054;
Matches 79; Conservative 0; Mismatches 59; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1659;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  59;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 43.6; DB
Pred. No. 0.04;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1375 CAGGCATITCTGGTAGAG 1392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                367 CAGAATTTCATTGTCCAG 384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin version 3.2
SEQ ID NO 1
LENGTH: 3039
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 57.2%;
Matches 79; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (445)..(1920)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       , ORGANISM: Homo sapiens
US-11-152-697-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                    1659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; LOCATION: (4
US-11-152-697-1
                                                                                                                                .11-152-697-8
      321
                                             527
                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
        ð
```

Gaps

엄

8

d

ઠ 셤

ઠે

```
355 ACAGAAGCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTG 414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             331 AATTAGATTGTGCTCACCCGGATTGAGGGTGGATCTGCCTTTTCCCARCCCCACTGACTCA 272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     430 CAAGGTAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAATGTCAGATTT 489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       271 AATGTTAATCTCCTTTGGCAATACCCTCAGAGACACCCAGGATAAATACTTCATATCC 212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EXECUTE OF SECRETAL INFORMATION:

| Sequence 931794, Application US/09925065A
| Sequence 931794, Application US/09925065A
| Sequence 931794, Application US/09925065A
| PUBLICATION: OF USZO040181048A1
| GENERAL INFORMATION: Identification and Mapping of Single |
| TITLE OF INVENTION: Identification and Mapping of Single |
| TITLE OF INVENTION: NUCLECTION OF USE |
| CURRENT APPLICATION NUMBER: US 60/243,096 |
| PRIOR APPLICATION NUMBER: US 60/243,096 |
| PRIOR FILING DATE: 2000-11-20 |
| PRIOR PILING DATE: 2000-11-20 |
| PRIOR FILING DATE: 2000-11-20 |
| PRIOR FILING DATE: 2001-11-30 |
| PRIOR FILING DATE: 2001-11-30 |
| PRIOR FILING DATE: 2001-11-30 |
| PRIOR FILING DATE: 2001-11-30 |
| PRIOR FILING DATE: 2001-11-30 |
| PRIOR FILING DATE: 2001-11-30 |
| PRIOR FILING DATE: 2001-01-16 |
| PRIOR FILING DATE: 2001-01-16 |
| PRIOR PILING DATE: 2001-01-16 |
| PRIOR PILING DATE: 2001-01-16 |
| PRIOR PILING DATE: 2001-01-16 |
| PRIOR PILING DATE: 2001-01-16 |
| PRIOR PILING DATE: 2001-01-16 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-03-04 |
| PRIOR PILING DATE: 2001-04 |
| PRIOR PILING DATE: 2001-04 |
| PRIOR PILING DATE: 2001-04 |
| 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          415 GGGCTTTCAGACCCACAGGTAATAATAATTGGCAATGGATTGATAAG 462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      103 GITATTGAAGTCTCAAAAGCAAAGTATATAGAAAAGGCACTAAAAAG 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 635;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 585;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         46; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        69; Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              370 AATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 5.5%; Score 34.4; DE Best Local Similarity 57.4%; Pred. No. 13; Matches 62; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 5.5%; Score 34.2; Di
Best Local Similarity 51.7%; Pred. No. 14;
Matches 75; Conservative 1; Mismatches
PRIOR FILING DATE: 2000-11-20
PRIOR APPLICATION NUMBER: US 60/250,092
PRIOR FILING DATE: 2000-11-30
PRIOR FILING DATE: 2001-01-16
PRIOR FILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-05-09
NUMBER: OF SEQ ID NOS: 957086
SEQ ID NO 796643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TGGCACCTAGGTGAGCCCCAATCATT 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      211 Trcaárcaácricácaccecagrair 187
                                                                                                                                                                                                                                                                                                                                                                                                                                 ; ORGANISM: Homo Bapiens
US-09-925-065A-796643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                , ORGANISM: Homo sapiens
US-09-925-065A-931794
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQ ID NO 931794
LENGTH: 585
                                                                                                                                                                                                                                                                                                                                                               LENGTH: 635
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Sampath, Rangarajan
APPLICANT: Sampath, Rangarajan
APPLICANT: Ball, Thomas A.
APPLICANT: Hall, Thomas A.
APPLICANT: Hall, Thomas A.
TITLE OF INVENTION: COMPOSITIONS FOR USE IN IDENTIFICATION OF VIRAL HEMORRHAGIC FEVER
FILE REPERENCE: IBISO073-100 (DIBIS-0056US1)
CURRENT APPLICATION NUMBER: US/11/085, 320
CURRENT PILING DATE: 2005-03-21
NUMBER OF SEQ ID NOS: 275
SOFTWARE: FASELSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10818 TGATGGGTGAATTAAGTAAGGGGGGGGGGGGGTGGTGTCTGTGAATCCAGGCTCTAACCT 10759
                                                                                                                                                                                                                                                                                                                                                        10878 TTCCCATTTCACTGCACAGTCCGTGGCCCAGGCCAAGGTATGCAGTAGGTACCATTACTCAATACA 10819
                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1700 CAGTGATAGCTTCTGCCTTGGCCAGGCGCTCTTTCTTAGAGTTACCATAGCGTTG 1641
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1640 rrrgcrigaadcrgarrrcgrrcrrrrrcrgarggaagrrcaraagaarrrrcrrrrccr 1581
                                                                                                                                                                                                                                                                                                                                                                                                                             137 CATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATATCATTCAAGTCTCACCT 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             264 CAGTTGCTACTTCCAGTGAAGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGT 323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     324 TGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAAGCAGAGCAGAATTTCATTGTCCA 383
                                                                                                                                                                                                                                                                                      77 TTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACTTACCATTTTA
                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 796643, Application US/09925065A
Publication No. US20040181048A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 10827.135
CURRENT APPLICATION NUMBER: US/09/925,065A
CURRENT FILING DATE: 2001-08-08
PRIOR PILING DATE: 2001-024
PRIOR APPLICATION NUMBER: US 60/243,096
PRIOR APPLICATION NUMBER: US 60/252,147
                                                                                                                                                                                                                    0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5.5%; Score 34.6; DB 11; Length 18959; 54.3%; Pred. No. 64;
                                                                                                                                              DB 8; Length 52192;
                                                                                                                                                                                                                    57; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        59;
                                                                                                                                           Score 34.8; DB
Pred. No. 95;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No. 64;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 268, Application US/11085320 Publication No. US20060057605A1 GENERAL INFORMATION:
                                                                                                                                       Query Match
Best Local Similarity 54.8%;
Matches 69; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Ebola Zaire virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 54.3
nes 70; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1580 GATCATCAA 1572
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    384 GCAGCTGAA 392
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10758 ĠTŤŤĊÀ 10753
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GCTTCA 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-925-065A-796643/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-11-085-320-268/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-11-085-320-268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        197 (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Loca
Matches
```

셤 ò g

ò 셤 ò 4 th Copyright For

```
a
                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
셤
                                                     ઠે
                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       370 AATTICATIGICCAGCAGCIGAAIGAGTCATITICITATITICIGGGGCTTICAGACCCA 429
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           255 AATTAGATTGTGCTCACCCGGATTGAGGGTGGATCTGCCTTTCCCARCCCCACTGACTCA 314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   430 CAAGGTAATAATTAGCAATGGATTGATAAGACACCTTATGAGAAAATGTCAGATTT 489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 315 aargriaarcrecririgecaaracecreacagacacacecaggaraaracricararec 374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 802, Application US/10932182A
| Publication No. US20060046253A1
| GENERAL INFORMATION:
| APPLICANT: NAKAWURA, NORIHIRO
| APPLICANT: NORMAN, YUKIKO
| APPLICANT: WINDOW, YOWIKO
| APPLICANT: FUJIWURA, TOMOKO
| APPLICANT: FUJIWURA, TOMOKO
| TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
| FILE REFERENCE: 030685-043
| CURRENT APPLICATION NUMBER: US/10/932,182A
| CURRENT APPLICATION NUMBER: US/10/932,182A
| CURRENT APPLICATION NUMBER: US/10/932,182A
| CURRENT APPLICATION NUMBER: US/10/932,182A
| CURRENT PALING DATE: 2004-09-02
| NUMBER OF SEQ ID NOS: 197023
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                 GENERAL INFORMATION:

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
FILE REPERENCE: 10827.135
CURRENT APPLICATION NUMBER: US/09/925,065A
CURRENT FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: US 60/243,096
PRIOR PELING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 60/252,147
PRIOR APPLICATION NUMBER: US 60/250,092
PRIOR APPLICATION NUMBER: US 60/250,092
PRIOR APPLICATION NUMBER: US 60/261,766
PRIOR FILING DATE: 2001-01-16
PRIOR FILING DATE: 2001-01-16
PRIOR FILING DATE: 2001-05-09
NUMBER OF SEQ ID NOS: 957086
SOFTWARE: PRESEQ for Windows Version 4.0
SEQ ID NO 921541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ,0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 6507;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 5.5%; Score 34.2; DB 6; Length 587; Best Local Similarity 51.7%; Pred. No. 14; Matches 75; Conservative 1; Mismatches 69; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          93; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match
5.5%; Score 34.2; DB
Best Local Similarity 49.2%; Pred. No. 49;
Matches 90; Conservative 0; Mismatches
                         Sequence 923541, Application US/09925065A
Publication No. US20040181048A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     490 TGGCACCTAGGTGAGCCCAATCATT 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   rrcaarcaagrigacacccagrari 399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Saccharomyces pastorianus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ÚS-09-925-065A-923541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-932-182A-802/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-932-182A-802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ਨੇ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
```

```
3703 TTTTGGCCATATAAACAGGGTTTACATTTTTTTTCGTCGAGAACCTTCATGTCCCATACAG 3644
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3703 TTTTGGCCATATAAACAGGGTTTACATTTTTTTGGTCGAGAACCTTCATGTCCCATACAG 3644
                                                            3763 TAAAGTCAGAGTAATGGTTTTTTCACCAAGTGCAGTATAGCTTCAGCGCGCCCAATTTGGA 3704
                                                                                                                                                                                                                                                                                                            3643 GAAAATTTTGATTGTAAAGGCCTAACGATGAAGATGCTATGTTAGCATCCTCTGTCATTT 3584
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3763 raaagricagagraargerrrrricaccaagrecagraragerricaggegegegeaarrrega 3704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3643 GAAAATTTTGATTGTAAAGGCCTAACGATGAAGATGCTATGTTAGCATCCTCTGTCATTT 3584
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    170 TACACTCATATCATTCAAGTCTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGG 229
                                                                                                                         230 GAIGITGCCCAGCTICTTGGAAGTCATTTGGTTCCAGTTGCTACTTCCATTTCCAGTGAAG 289
                                                                                                                                                                                                                                               290 AGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTGAGATGGGAGCACATTTGGTTGTGT 349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             230 GATGTTGCCCAGCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCCATTTCCAGTGAAG 289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       290 AGAAGGTTTGGTCTAAGAGTGAGCAGAACTGTGTTGAGATGGGAGCACATTTGGTTGTGT 349
170 TACACTCATATCATTCAAGTCTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGG 229
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 802, Application US/10932182A; Sequence 802, Application US/10932182A; Publication No. US20060046253A1; GENERAL INFORMATION:

APPLICANT: NAKAO, YOSHIHIRO
APPLICANT: RODAMA, YUKIKO
APPLICANT: RODAMA, YUKIKO
APPLICANT: ASHIKARI, TOSHIHIKO
APPLICANT: ASHIKARI, TOSHIHIKO
APPLICANT: ASHIKARI, TOSHIHIKO
APPLICANT: ASHIKARI, TOSHIHIKO
APPLICANT: ASHIKARI, TOSHIHIKO
APPLICANT: ASHIKARI, TOSHIHIKO
CURRENT FILING DATE: 2004-09-02
NUMBER OF SEQ ID NOS: 197023
SOFTWARE: PatentIn version 3.3
SEQ ID NO 802
LENEGTH: 6507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 947330, Application US/09925065A
Publication No. US20040181048A1
GENERAL INFORMATION.
GENERAL INFORMATION:
TITLE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827.135
CURRENT APPLICATION NUMBER: US/09/925,065A
CURRENT FILING DATE: 2001-08-08
PRIOR PILING DATE: 2000-10-24
PRIOR FILING DATE: 2000-10-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 6507;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 34.2; D)
Pred. No. 49;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Saccharomyces pastorianus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ch 5.5%;
1 Similarity 49.2%;
90; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 12
US-09-925-065A-947330/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3583 TCA 3581
                                                                                                                                                                                                                                                                                                                                                                                                                        3583 TCA 3581
                                                                                                                                                                                                                                                                                                                                                                         350 TCA 352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   350 TCA 352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 11
US-10-932-182A-802/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-932-182A-802
```

ö

```
Sequence 1214793, Application US/10301480
Publication No. US20060057564A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: in the Human Genome
FILE REPRENCE: 198027.13-21
CURRENT APPLICATION NUMBER: US/10/301,480
CURRENT FILING DATE: 2002-11-21
PRIOR APPLICATION NUMBER: US 10/215,598
PRIOR FILING DATE: 2002-08-09
PRIOR FILING DATE: 2002-08-09
PRIOR FILING DATE: 2002-08-09
PRIOR FILING DATE: 2001-08-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   265 creaaccirccacriccressiccaassearrerreresceresceresarastaser 206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GGGATTTCCAFTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACTTACCAT 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             265 creaaeccriccaccriccreserccaaesearrcristiscccresecriccaeraceraser 206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               73 GGGATTTCCATTGCACTCCTCAGTGCTTGCTTCATTGTGAGCTGTGTAGTAACTTACCAT 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        205 gegacracaegrecaccaccaccececeraarrrrrgrarrrragagacaaae 146
                                                                                                                                                                                                                                                                                                                                                                                                                          13 CAGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCCTGAGACTCTGGTCTGTGGCT 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13 CAGCAACCTCAAAGTACAGAGAAAAAGAGGCTGGTTGTCCCTGAGACTCTGGTCTGTGGCT
                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                               5.4%; Score 33.8; DB 10; Length 741; 53.4%; Pred. No. 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 10; Length 741;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       62; Indels
                                                                                                                                                                                                                                                                                                                                                                             62;
                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 5.4%; Score 33.8; D
Best Local Similarity 53.4%; Pred. No. 21;
Matches 71; Conservative 0; Mismatches
  CURRENT APPLICATION NUMBER: US/10/301,480
CURRENT FILING DATE: 2002-11-21
FRIOR APPLICATION NUMBER: US 10/215,598
FRIOR FILING DATE: 2002-08-09
FRIOR APPLICATION NUMBER: US 60/311,695
FRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 1226818
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 601384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 1226818
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1214793
LENGTH: 741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Search completed: March 28, 2006, 10:23:31
Job time : 273.348 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TTTACATATGGTG 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        133 TTTACATATGGTG 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   rrrrcccardrrd 133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     145 rrraccardric 133
                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 53.4 Matches 71, Conservative
                                                                                                                                                                                                                                       ; TYPE: DNA
; ORGANISM: Homo Bapien
US-10-301-480-601384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Homo sapien
US-10-301-480-1214793
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-301-480-1214793/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        145
                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         105-10-301-480-601384/c

| Sequence 601384, Application US/10301480
| Publication No. US20060057564A1
| GENERAL INFORMATION:
| APPLICANT: Wang, David G. | TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms | TITLE OF INVENTION: in the Human Genome | FILE REPERENCE: 108827.137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             182221 CTGCAGCCTCAATCTCCTGGGCTCAGGTGATCCTCCTGCCTCAGCCTCTTACGTAGCT 182280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   171 ACACTCATATCATTCAAGTCTCACCTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGG 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13 CAGCAACCTCAAAGTACAGAGAAAAAGAGGCTGGTTGTCCCTGAGACTCTGGTCGCT
                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Burczynski, Michael
APPLICANT: Twine, Natalie
APPLICANT: Twine, Andrew
APPLICANT: Trepicchio, William
APPLICANT: Trepicchio, William
TITLE OF INVENTION: Method for Monitoring Drug Activities In Vivo
FILE REFERENCE: AM101080 (031896-013000)
CURRENT APPLICATION NUMBER: US/10/775,169
CURRENT FILING DROS: 5278
SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 220895;
                                                                                                                                                                                                                                                                                                                                                                             Length 625;
                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    40; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   182281 ĠĠĠAĊŤAĊAĠĠŤĠĊĄĊĠĊĠĊĊĀŤŢĊĊŢĠĠĊŤAĂŤŢŢŤ 182318
                                                                                                                                                                                                                                                                                                                                                                                                                     30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5.4%; Score 34; DB 8; 1
59.2%; Pred. No. 3.4e+02;
vative 0; Mismatches 40;
                                                                                                                                                                                                                                                                                                                                                                        DB 6;
                                                                                                                                                                                                                                                                                                                                                                        Score 34; DB 6
Pred. No. 17;
0; Mismatches
PRIOR APPLICATION NUMBER: US 60/252,147
PRIOR PLING DATE: 2000-11-20
PRIOR PELING DATE: 2000-11-20
PRIOR PELING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: US 60/261,766
PRIOR APPLICATION NUMBER: US 60/289,846
PRIOR PLING DATE: 2001-00-16
PRIOR PLING DATE: 2001-00-00
NUMBER OF SEQ ID NOS: 957086
SOFTWARE: PASESEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           231 ATGTTGCCCAGCTTCTTGGAAG 252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        243 GTGATGACTTGCTTCAGGGAAG 222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 88, Application US/10775169
Publication No. US20050287532A9
GENERAL INFORMATION:
APPLICANT: Wyeth
                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 63.4%;
Matches 52; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                     ; ORGANISM: Homo sapiens
US-09-925-065A-947330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 88
LENGTH: 220895
                                                                                                                                                                                                                                SEQ ID NO 947330
LENGTH: 625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 13
US-10-775-169-88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-775-169-88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
```

ö

```
US-08-772-440-4
8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 21, Appl
Sequence 15, Appl
Sequence 17, Appl
Sequence 23, Appl
Sequence 27, Appl
Sequence 27, Appl
Sequence 2, Appli
Sequence 2, Appli
Sequence 406, Appl
Sequence 406, Appl
Sequence 406, Appli
Sequence 8, Appli
Sequence 8, Appli
Sequence 8, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 4, Appli
                                                                      March 28, 2006, 08:21:30 ; Search time 24 Seconds (without alignments) 719.967 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 377,
Sequence 377,
Sequence 377,
Sequence 32, A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 377,
Sequence 377,
Sequence 377,
Sequence 377,
                                                                                                                  US-09-766-511B-53
1165
1 MMQEQQPQSTEKRGWLSLRL......NDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence Sequence Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
Sequence
Sequence
           GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd
                                                                                                                                                                                                                                                                                                                   Issued Patents AA:*

1. /cgn2_6/ptodata/1/iaa/5_COMB.pep:*

2. /cgn2_6/ptodata/1/iaa/f_COMB.pep:*

3. /cgn2_6/ptodata/1/iaa/H_COMB.pep:*

4. /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

5. /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*

5. /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*

5. /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-772-440-4
US-08-772-440-21
US-08-772-440-17
US-08-772-440-17
US-08-772-440-14
US-08-772-440-13
US-08-772-440-23
US-08-772-440-23
US-09-111-470-2
US-09-111-470-2
US-09-949-002-406
US-09-111-470-8
US-09-962-802A-8
US-09-902-775A-377
US-09-906-704A-377
US-09-906-704-377
US-09-906-704-377
US-09-906-7317
US-09-906-7317
US-09-906-7317
US-09-906-7317
US-09-906-7317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-902-736A-377
US-09-906-722A-377
US-08-772-440-32
                                                                                                                                                                                                                  Total number of hits satisfying chosen parameters:
                                                                                                                                                                                               572060 segs, 82675679 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                      SUMMARIES
                                                                                                                                                                                                                                                                       Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                    protein search, using sw model
                                                                                                                                                             BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                        Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query
                                                                                                                   Title:
Perfect score:
                                                                                                                                                                Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OM protein
                                                                                                                                          Sequence:
                                                                                                                                                                                               Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Result
No.
                                                                          Run on
```

```
Sequence 4, Application US/08772440
; Sequence 4, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
    APPLICANT: AALIZUMI, Kiyoshi
    APPLICANT: Takashima, Akira
    TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
    TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
    TITLE OF INVENTION: THEREOF
    NUMBER OF SEQUENCES: 42
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Arnold, White & Durkee
                                                      9961, Ap
6, Appli
6, Appli
4, Appli
4, Appli
10, Appl
10, Appli
4, Appli
12, Appli
                                                                                                                                                                                                    Sequence 4, Appli
Sequence 12, Appl
Sequence 10, Appl
Sequence 10, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MMQEQQPQSTEKRG--WLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSELH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                          Sequence 2
Sequence 6
Patent No.
                      Sequence 3
Sequence 1
Sequence 6
Sequence 6
Sequence 4
Sequence 4
Sequence 1
Sequence 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 209;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  41; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TREAT: P.O. Box 4433
CITY: Houston
STREAT: P.O. Box 4433
CITY: Houston
STREAT: P.O. Box 4433
CITY: Houston
STREAT: P.O. Box 4433
CITY: Houston
STREAT: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: FIDOPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/772,440
FILING DATE: CONCURRENTLY HEREWITH
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Pater, David L.
REGISTRATION NUMBER: UTXD:493
TELECOMMUNICATION INFORMATION:
TELEFAN: 512/44-7577
INFORMATION FOR SEQ ID NO: 4:
SEQUIENCE CHARACTERISTICS:
LEMEYA: 512/44-7577
INFORMATION FOR SEQ ID NO: 4:
SEQUIENCE CHARACTERISTICS:
US-09-489-847-167
US-09-489-847-326
US-09-962-802A-13
US-09-111-470-6
US-09-111-470-6
US-09-111-470-6
US-09-111-470-10
US-09-111-470-10
US-09-111-470-10
US-09-111-470-10
US-09-111-470-10
US-09-111-470-10
US-09-111-470-10
US-09-111-470-10
US-09-111-470-10
US-09-111-470-10
US-09-111-470-10
US-09-111-470-10
US-09-111-470-10
US-09-111-470-10
US-09-111-470-10
US-09-111-470-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          68.1%; Score 793; DB 2;
68.1%; Pred. No. 1.2e-76;
iive 19; Mismatches 41
                                                                                                                                                                                                                                                                                                                                                                   ALIGNMENTS
                                                                                                                                                                                                                                                                                                              5514582-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           E: Arnold, White & Durkee P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 209 amino acids
TYPE: amino acid
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 68.1%
Matches 145; Conservative
     ; TOPOLOGY: linear
US-08-772-440-4
```

```
Houston
                                                                                                                                                                                                                                                                                                                                COUNTRY: US
ZIP: 77210
                                                                                                                                                                                                                                                                STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
TITLE OF INVENTION: THEREOF
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQNCVQMGAHLVVINTEAEQNFITQQLNESLSYFLGLSDPQGNGKWQWIDDTPFSQNVR 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          45 FTYGETGKRLSELHSYHSSLTCFSEGTKV--PAWGCCPASWKSFGSSCYFISSEEKVWSK 102
                         TYHSSLTCFSEGTWVSEKMWGCCPNHWKSFGSSCYLLSTKENFWSTSEQNCVQMGAHLVV 116
                                                                                                              117 INTERECUPENTOUNDESSESYFLGESDEOGNGKWOWIDDTPFSQNVRFWHPHEPNLPEERC 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               103 SEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVR 162
SYHSSLTCFSEGTKV--PAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVV 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 FIMDQPSRRLYELHTYHSSLTCFSEGTMVSEKMWGCCPNHWKSFGSSCYLISTKENFWST 60
                                                                                     FNTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FWHPHEPNLPEERCVSIVYWNPSKWGWNDVFCDSKHNSICEMKKIYL 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FWHLGEPNHSAEQCASIVFWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     58.3%; Score 679; DB 2; Length 167; 70.7%; Pred. No. 1.3e-64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                33; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/772,440

FILING DATE: CONCURRENTLY HEREWITH
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: PARKET, David L.

REGISTRATION NUMBER: 32,165

REFERENCE/DOCKET NUMBER: UTXD:493

TELEPANCE/DOCKET NUMBER: UTXD:493

TELEPANCE 512/418-3000

TELEPANCE 512/418-3000

TELEPANCE 512/418-3000

TELEPANCE 512/418-3000

TELEPANCE 512/418-3000

TELEPANCE 512/418-3000

TELEPANCE 512/418-3000

TELEPANCE 512/418-3000

TELEPANCE 512/418-3000

TELEPANCE 512/418-3000

TELEPANCE 512/418-3000
                                                                                                                                                                                                      177 VSIVYWNPSKWGWNDVFCDSKHNSICEMKKIYL 209
                                                                                                                                                                          177 ASIVFWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                            US-08-772-440-21
; Sequence 21, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Ariizumi, Kiyoshi
APPLICANT: Takashima, Akira
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 167 amino acids
TYPE: amino acid
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM:
SOFTWARE: Patentl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 118; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-772-440-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     121
                                         57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         163
                                                                                     117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                         g
                                                                                       ઠ
                                                                                                                              g
                                                                                                                                                                             ð
                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ð
```

RESULT 3

```
US-08-772-440-17

Sequence 17, Application US/08772440

Sequence 17, Application US/08772440

GENERAL INFORMATION:

APPLICANT: AARIALMI, Kiyoshi

APPLICANT: Takashima, Akira

TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE

TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES

TITLE OF INVENTION: THEREOF

NUMBER OF SEQUENCES: 42
                                                                                                       UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               119 TEAEQNFIVQQLMESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCAS 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ----EKMMGCCPNHWKSFGSSCYLISTKENFWSTSEONCVQMGAHLVVIN 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 59 SYHSSLICFSEGIKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 MMQEQQPQSTEKRG--WLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSELH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 56.6%; Score 659; DB 2; Length 175; Best Local Similarity 58.3%; Pred. No. 2e-62; Matches 123; Conservative 16; Mismatches 34; Indels
                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
OPERATING SYSTEM: PC-DOS/NS-DOS
OPERATING SYSTEM: PC-DOS/NS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IVFWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 145 ||:| |: |||||| |::: |||||| ||15
145 IVYWNPSKWGWNDVFCDSKHNSICEMKKIYL 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                32,165
FR: UTXD:493
                                                                                                                                                                                                                                             E: Arnold, White & Durkee P.O. Box 4433
Sequence 15, Application US/08772440
Patent No. 6046158
GENERAL INFORMATION:
APPLICANT: Arizumi, Kiyoshi
APPLICANT: Takashima, Akira
ITILE OF INVENTION: UNIQUE DENDRITI
TILE OF INVENTION: LECTINS, DECTIN
TITLE OF INVENTION: THEREOF
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTXD
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/418-3000
TELEPAX: 512/474-7577
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 175 amino acida
TYPE: amino acid
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TOPOLOGY: linear
US-08-772-440-15
```

```
Sequence 23, Application US/08772440

Patent No. 6046158

GENERAL INFORMATION:
APPLICANT: Affizumi, Kiyoshi
APPLICANT: Takashima, Akira
TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  76 WGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFS 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 136 YPLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIVFWKPTGWGWNDVICE 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12 WGCCPNHWKSFGSSCYLISTKENPWSTSEQNCVQWGAHLVVINTEAEQNFITQQLNESLS 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 50.7%; Score 591; DB 2; Length 145; Best Local Similarity 73.9%; Pred. No. 2.8e-55; Matches 99; Conservative 11; Mismatches 24; Indels
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/72,440
FILING DATE: CONCURRENTLY HEREWITH
CLASSIPICATION: 435
ATTORNEY AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: UTXD:493
REFERENCE/DOCKET NUMBER: UTXD:493
TELECOMMUNICATION INFORMATION:
TELEBENOR: 512/44-757
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 145 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: Inear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATE:
APPLICATION NUMBER: US/08/772,440
FILING DATE: CONCURRENTLY HERBWITH
CLASSIFICATION: 435
ATTORNEY/AGENT INPORMATION:
NAME: Parker, David L.
REFERENCE/DOCKET NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTXD:493
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Arnold, White & Durkee STREET: P.O. Box 4433 CITY: Houston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  :: |||||| ||||
132 SKHNSICEMKKIYL 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      196 TRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: 512/418-3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Техав
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE: Texa
COUNTRY: US
ZIP: 77210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-772-440-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 14, Application US/08772440
Patent No. 6046158
GENERAL INFORMATION:
APPLICANT: Arizumi, Kiyoshi
APPLICANT: Takashima, Akira
TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
TITLE OF INVENTION: THEREOF
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                59 SYHSSLTCFSEGTKV--PAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVV 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     117 FWTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQC 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MMQEQQPQSTEKRG--WLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSELH 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 50.9%; Score 592.5; DB 2; Length 168;
55.4%; Pred. No. 2.4e-55;
tive 16; Mismatches 30; Indels 49; Gaps
                                                                                                                                                                                         COMPUTEK KEAAALDLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTEK: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
SOFTWARE: PatentIn Release #1.0, Version #1.30
SOFTWARE: PatentIn Release #1.0, Version #1.30
CUBRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/72,440
FILING DATE: CONVURRENTLY HEREWITH
CLASSIFICATION NUMBER: US/08/72,440
FILING DATE: CONVURRENTLY HEREWITH
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTXD:493
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION FOR $12/414-7577
INFORMATION FOR $20 ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: List amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       177 ASIVFWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    143 ------PSKWGWNDVPCDSKHNSICEMKKIYL 168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               117 INTEAEQNFITQQLNESLSYFLGLSN------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Arnold, White & Durkee STREET: P.O. Box 4433 CITY: Houston STATE: Texas
                                    White & Durkee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches 118; Conservative
                                                                                                    STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy di
          CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TOPOLOGY: linear
US-08-772-440-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                  CITY: Houston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-772-440-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
```

```
139 GLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIVFWKPTGWGWNDVICETRR 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Sequence 2, Application US/09111470
; Patent No. 6277959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       : 134 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 57.5%
Matches 96; Conservative
                                                                                                                                              121 NSICEMKKIYL 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Houston
STATE: Texas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-772-440-16
                                                                                                                                                                                                              RESULT 8
US-08-772-440-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-111-470-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  85
                                                                                                      199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                     엄
                                                                                                        8
                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 27, Application US/08772440

Sequence 27, Application US/08772440

Patent No. 6046158

GENERAL INFORMATION:
APPLICANT: Ariazumi, Kiyoshi
APPLICANT: Takashima, Akira
TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES TITLE OF INVENTION: THEREOF NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSER: Arnold, White & Durkee
                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        79 CPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFL 138
                                                                                                                                                                                                                                    79 CPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFL 138
                                                                                                                                                                                                                                                                                                                      139 GLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIVFWKPTGWGWNDVICETRR 198
                                                                                                                                                                                                                                                                                                                                               61 GLSDPQCNGKWQWIDDTPFSQNVRFWHPHEPNLPEERCVSIVYWNPSKWGWNDVFCDSKH 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CPNHWKSFGSSCYLISTKENFWSTSEQNCVQMGAHLVVINTEAEQNFITQQLNESLSYFL 60
                                                                                                                                                                                                                                                               1 CPNHWKSFGSSCYLISTKENFWSTSEQNCVQMGAHLVVINTEAEQNFITQQLNESLSYFL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                            Gaps
                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match

48.5%; Score 565; DB 2; Length 131;
Best Local Similarity 73.3%; Pred. No. 1.5e-52;
Matches 96; Conservative 11; Mismatches 24; Indels
                                                                                                                                                    Length 131;
                                                                                                                                                                                          24; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/772,440
FILING DATE: CONCURRENTLY HEREWITH
CLASSIFICATION: 435
ATTORNEX/AGENT INFORMATION:
                                                                                                                                                  48.5%; Score 565; DB 2; 73.3%; Pred. No. 1.5e-52;
                                                                                                                                                                                            11; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
REGISTRATION NUMBER: 07XD:493
REJECOMMUNICATION INFORMATION:
TELEPHONE: 512/418-3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 131 amino acids TYPE: amino acid
SEQUENCE CHARACTERISTICS:
LENGTH: 131 amino acids
TYPE: amino acid
STRANDEDNESS:
                                                                                                                                                    Query Match
Best Local Similarity 73.3%
Matches 96; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                          199 NSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                  121 NSICEMKKIYL 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                    ; TOPOLOGY: linear
US-08-772-440-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-772-440-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-772-440-27
                                                                                                                                                                                                                                                                              ద
                                                                                                                                                                                                                                                                                                                                                                   쉱
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
```

```
Cacuence 16, Application US/08772440

Patent No. 6046158
GENERAL INFORMATION:
APPLICANT: Aritzum, Kiyoshi
APPLICANT: Takashima, Akira
TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         59 SYHSSLTCFSEGTKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFN 118
61 GLSDPQGNGKWQWIDDTPFSQNVRFWHPHEPNLPEERCVSIVYWNPSKWGWNDVFCDSKH 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MMQEQQPQSTEKRG--WLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSELH 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                39 ------EKMMGCCPNHWKSFGSSCYLISTKENPWSTSEQNCVQMGAHLVVIN 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   119 TEAEQNEIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWH 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               42.3%; Score 493; DB 2; Length 134; 57.5%; Pred. No. 7.6e-45; rive 10; Mismatches 23; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: TEAGE
COUNTRY: USA
ZIP: 77210

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION DATA:
CLASSIFICATION NUMBER: US/08/772,440
FILING DATE: CONCURRENTLY HEREWITH
CLASSIFICATION: 43.165
ATTORNEY/AGENT INPORMATION:
NAME: PATEN, David L.
REGIGTRATION NUMBER: 32.165
REFERENCE/DOCKET NUMBER: UTD:493
TELEPONMUNICATION INPORMATION:
TELEPHONE: 512/418-3000
TELEPHONE: 512/418-3000
TELEPHONE: 512/414-7577
INPORMATION POR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Arnold, White & Durkee STREET: P.O. Box 4433
```

```
Sequence 406, Application US/09949002

Sequence 406, Application US/09949002

GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
TITLE OF INVENTION: AND USES THEREOF
TITLE OF INVENTION: AND USES THEREOF
TITLE OF INVENTION: AND USES THEREOF
TITLE OF INVENTION: AND USES THEREOF
CURRENT FILING DATE: 2000-01-28
CURRENT FILING DATE: 2000-01-28
PRIOR PILING DATE: 2000-09-08
    APPLICANT: Lebecque, Serge J.E.
APPLICANT: Sacland, Sem
TITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes, Related Reagents
FILE REPERENCE: SPO695 B
CURRENT FILING DATE: 2001-05-22
PRIOR APPLICATION NUMBER: US 60/053,080
PRIOR PILING DATE: 1997-07-09
PRIOR FILING DATE: 1997-07-09
PRIOR FILING DATE: 1998-07-08
NUMBER OF SEQ ID NOS: 13
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          84 KSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFLGLSDP 143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             111 KSFSSNCYFISTESASWODSEKDCARMEAHLLVINTQEEODFIFONLQEESAYFVGLSDP 170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          144 QGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIVFWK-PTGWGWNDVICETRRNSIC 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    52 IFFLLLAISFFIAFVIFFQ-KYSQLLEKKTTKELVHTTLECVKKNMPVEETAMSCCPKKNM 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            84 KSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFLGLSDP 143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26 ISIALLSACFIVSCVVTYHFTYGETGKRLSELHSYHSSLTCFSEGTKV--PAWGCCPASW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26 ISIALLSACFIVSCVVTYHFTYGETGKRLSELHSYHSSLTCFSEGTKV--PAWGCCPASW
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 39.3%; Score 458; DB 2; Length 237; Best Local Similarity 44.4%; Pred. No. 9.2e-41; Matches 83; Conservative 34; Mismatches 66; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         39.3%; Score 458; DB 2; Length 237; 44.4%; Pred. No. 9.2e-41; tive 34; Mismatches 66; Indels
                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: mammalian nucleic acid and protein US-09-862-802A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 10823
SOFTWARE: PastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          83; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   || ||:|
EMMXIHL 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
Matches 83, Conserv
                                                                                                                                                                                                                                                                                SEQ ID NO 2
LENGTH: 237
TYPE: PRT
ORGANISM: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-949-002-406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-949-002-406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Fa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFLGLSDP 143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   144 QGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIVFWK-PTGWGWNDVICETRRNSIC 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26 ISIALLSACFIVSCVVTYHFTYGETGKRLSELHSYHSSLTCFSEGTKV--PAWGCCPASW 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Score 458; DB 2; Length 237;
; Pred. No. 9.2e-41;
34; Mismatches 66; Indels
APPLICANT: Ravel, Jenny
APPLICANT: Ravel, Odile
APPLICANT: Ravel, Odile
APPLICANT: Ravel, Odile
APPLICANT: Bates, Elizabeth E.M.
APPLICANT: Saeland, Sem
APPLICANT: Saeland, Sem
APPLICANT: Lebecque, Serge J.E.
TITLE OF INVENTION: Related Reagents
NUMBER OF SEQUENCES: 1
CORRESPONDENCES: 11
CORRESPONDENCES: 1
CORRESPONDENCES: 1
CORRESPONDENCES: 1
COUNTRY: USA
ZIP: Palo Alto
COUNTRY: USA
ZIP: 94304-1104
COMPUTER: Elappy disk
COMPUTER: PRO COMpatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/09/111,470
FILING DATE: US-ULL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/053,080
FILING DATE: 09-UUL-1997
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: SF0695
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     'Sequence 2, Application US/09862802A

Sequence 2, Application US/09862802A

; GENERAL INPORMATION:

; APPLICANT: Valladeau, Jenny

; APPLICANT: Ravel, Odile

; APPLICANT: Bates, Elizabeth Ester Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   39.3%;
Similarity 44.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFACONE: (650)852-9196
INFORMATION FOR SEQ ID NO: 2: SEQUENCE CHARACTERISTICS: LENGTH: 237 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (650)852-9196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  || ||:|
EMMKIHL 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                83;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-111-470-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      qq
```

g

ઠે

g

ð

ò

ò

g

```
APPLICANT: Ebecque, Serge J.E.
APPLICANT: Lebecque, Serge J.E.
APPLICANT: Seland, Sem
TITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes; Related Reagents
FILE REFERENCE: SP0695 B 8099/862,802A
CURRENT APPLICATION NUMBER: US 60/053,080
PRIOR APPLICATION NUMBER: US 60/053,080
PRIOR APPLICATION NUMBER: US 60/053,080
PRIOR APPLICATION NUMBER: US 60/053,080
PRIOR PILING DATE: 1998-07-07-09
PRIOR PILING DATE: 1998-07-08
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn version 3.1
SEQ ID NO 8
148 QSQEEQDFITGILDTHAAYFIGLWD-TGHRQWQWVDQTPYEESITFWHNGEPSSGNEKCA 206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               88 NELNCTKSVSPMEDKVWSCCPKDWRLFGSHCYLVPTVSSSASWNKSEENCSRMGAHLVVI 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     118 NTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCA 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             62 SSLTCFSEGTKV--PAWGCCPASWKSFGSSCYFIS--SEEKVWSKSEQNCVEMGAHLVVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 QEQQPQSTEKRGWLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGE-TGKRLSELHSYH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 238;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        73; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: mammalian nucleic acid and protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
37.4%; Score 436; DB 2;
Best Local Similarity 39.9%; Pred. No. 2.1e-38;
Matches 85; Conservative 45; Mismatches 73.
                                                                                             207 TIIYRWK-TGWGWNDISCSLKOKSVCOMKKINL 238
                                                                      178 SIVF-WKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     178 SIVF-WKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            207 TIIYRWK-TGWGWNDISCSLKQKSVCQMKKINL 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; NAME/KEY: misc_feature
; LOCATION: (1348)
; OTHER INFORMATION: poly-A addition motif
US-09-862-802A-8
                                                                                                                                                                                                                                                                                          APPLICANT: Valladeau, Jenny
PEPLICANT: Ravel, Odile
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Ford, John
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-907-794A-377
Sequence 377, Application US/09907794A
Patent No. 6635468
GENERAL INFORMATION:
                                                                                                                                                                                                                      ; Sequence 8, Application US/09862802A; Patent No. 6756478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Unknown
                                                                                                                                                                                                      US-09-862-802A-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            엄
                             유
                                                                      ò
                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
  QGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIVFWK-PTGWGWNDVICETRRNSIC 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SSLTCFSEGTKV--PAWGCCPASWKSFGSSCYFIS--SEEKVWSKSEQNCVEMGAHLVVF 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    118 NTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCA 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30 REKPIRDLRKPGSPSLLLTSLM-LLLLLLAITFLVAFII-YPQKYSQLLEEKKAAKNIMH 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3 QEQOPQSTEKRGWLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGE-TGKRLSELHSYH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 238;
                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Navel, Jenny
APPLICANT: Ravel, Odile
APPLICANT: Bates, Elizabeth E.M.
APPLICANT: Bates, Elizabeth E.M.
APPLICANT: Ford, John
APPLICANT: Saeland, Sem
APPLICANT: Lebecque, Seerge J.E.
APPLICANT: Lebecque, Seerge J.E.
APPLICANT: Lebecque, Seerge J.E.
APPLICANT: Lebecque, Seerge J.E.
AUNGER OF SEQUENCES:
ILLE OF INVENTION: Related Reagents
NUMBER OF SEQUENCES:
ADDRESSEE: DNAX Research Institute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
PLICATION NUMBER: US/09/111,470 PILING DATE: 08-JUL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 37.4%; Score 436; DB 2; Best Local Similarity 39.9%; Pred. No. 2.1e-38; Matches 85; Conservative 45; Mismatches 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 901 California Avenue CITY: Palo Alto STRTE: California COUNTY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 08-JUL-1998
CLASASIFUCATION
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/053,080
FILING DATE: 09-JUL-1997
ATTORNEY/AGENT INFORMATION:
ATTORNEY Ching, Edwin P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                            Sequence 8, Application US/09111470 Patent No. 6277959 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: SFC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (650)496-1200 INFORMATION FOR SEQ ID NO: 8:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   238 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , MOLECULE TYPE: protein US-09-111-470-8
                                                                                                                                                        EMNKIYL 209
                                                                                                                                                                                      231 EMMKIHL 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY:
                                                                                                                                                                                                                                                                                               US-09-111-470-8
                                                                      144
                                                                                                                                                          203
                                                                                                             g
                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                      ò
                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
```

```
61 HSSLTCFSEGTKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTE 120
                                                                                                                   121 AEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSA--EQCAS 178
                                                                                                                                                      APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE DEFENDENCE: 10466-14

CURRENT APPLICATION NUMBER: US/09/905,125A

CURRENT APPLICATION NUMBER: US/09/905,125A

CURRENT PILING DATE: 2001-07-12

PRIOR PADLICATION NUMBER: PCT/US00/0414

PRIOR PILING DATE: 1999-07-07

PRIOR PILING DATE: 1999-07-07

PRIOR APPLICATION NUMBER: US 60/145,698

PRIOR APPLICATION NUMBER: US 60/146,222

PRIOR APPLICATION NUMBER: US 60/146,222

PRIOR PILING DATE: 1999-07-28

PRIOR PILING DATE: 1999-07-28

PRIOR APPLICATION NUMBER: PCT/US99/20944

PRIOR PILING DATE: 1999-09-13

PRIOR APPLICATION NUMBER: PCT/US99/20944

PRIOR PILING DATE: 1999-09-15

PRIOR PILING DATE: 1999-09-15

PRIOR PILING DATE: 1999-09-15

PRIOR PILING DATE: 1999-09-15

PRIOR PILING DATE: 1999-09-15

PRIOR PILING DATE: 1999-09-15

PRIOR PILING DATE: 1999-09-15

PRIOR PILING DATE: 1999-10-05

PRIOR PILING DATE: 1999-10-05

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-29

PRIOR PILING DATE: 1999-11-20

PRIOR PILING DATE: 1999-11-20

PRIOR PILING DATE: 1999-11-20

PRIOR PILING DATE: 1999-11-20

PRIOR PILING DATE: 1999-11-20
                                                                                                                                                                                                                                       179 IVFWKPTGWGWNDVICETRRNSICEM 204
                                                                                                                                                                                                                                                                                               182 MRDSSNPRQNWNDVTCFLNYFRICEM 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 377, Application US/09905125A Patent No. 6664376 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fong, Sherman
Gao, Wei-Qiang
Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Paoni, Nicholas F.
Roy, Margaret Ann
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gurney, Austin L.
Hillan, Kenneth, J
Kljavin, Ivar J.
Mather, Jennie P.
Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Generatech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-905-125A-377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT
                                                                                                                                                                  g
                                                                                                                                                                                                                                          ò
                                                        셤
                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 QEQQPQSTEKRGWLS--LRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSELHSY 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           S KSSETQCTE-RGCFSSQMFLWTVAGIPILFLSACFITRCVVTFRI - FQTCDEKKFQLPEN 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         and Transmembrane Polypeptides and Nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 2; Length 219;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .9e-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: WILLIAMS, F. MICKEY
APPLICANT: WILLIAMS, I. C.
TITLE OF INVENTION: Secreted and Transmembrane I TITLE OF INVENTION: Secreted and Transmembrane I TITLE OF INVENTION: Acids Encoding the Same FILE OF INVENTION: Acids Encoding the Same FILE OF INVENTION: Acids Encoding the Same FILE OF INVENTION NUMBER: US/09/907,794A
CURRENT APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR FILING DATE: 1999-07-26
PRIOR FILING DATE: 1999-07-26
PRIOR FILING DATE: 1999-07-26
PRIOR FILING DATE: 1999-07-26
PRIOR FILING DATE: 1999-09-08
PRIOR FILING DATE: 1999-09-18
PRIOR FILING DATE: 1999-09-18
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-10-15
PRIOR FILING DATE: 1999-10-05
PRIOR FILING DATE: 1999-10-05
PRIOR FILING DATE: 1999-11-30
PRIOR FILING DATE: 1999-11-30
PRIOR FILING DATE: 1999-11-30
PRIOR FILING DATE: 1999-11-30
PRIOR FILING DATE: 1999-11-30
PRIOR FILING DATE: 1999-11-30
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         34.2%; Score 398.5;
40.8%; Pred. No. 1.96
tive 34; Mismatches
                                                                                                                                                                        Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tumas, Daniel
Williams, P. Mickey
Wood, William, I.
                                                                                                                                                                                                                                                                                                                                                                                                                         Roy, Margaret Ann
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                          Pan, James
Paoni, Nicholas F.
                                                                                                                   Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                  Kljavin, Ivar J.
Mather, Jennie P.
                                                                                       Gerber, Hanspeter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 40.8
Matches 84; Conservative
                            ong, Sherman
Jao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 423
SEQ ID NO 377
LENGTH: 219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
; ORGANISM: Homo Sapien
US-09-907-794A-377
                                                                                                                                                                        APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
```

```
61 HSSLTCFSEGTKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTE 120
                                                                                                                                                                                                                                                                                                                                                                      121 AEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSA--EQCAS 178
                                                                                                                                                                                                                                                                                                                                    63 FTELSCYNYGSG-SVKNCCPLNWEYFQSSCYFFSTDTISWALSLKNCSAMGAHLVVINSQ 121
                                                                                                                                                                                                                                                                                                                                                                                      122 EEQEFLSYKKPKMREFFIGLSDQVVEGQWQWVDGTPLTKSLSFWDVGEPNNIATLEDCAT 181
                                                                                                                                                                                                                                                                 3 QEQQPOSTEKRGWLS--LRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSELHSY 60
                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                         7;
                                                                                                                                                                                                            Query Match

34.2%; Score 398.5; DB 2; Length 219;
Best Local Similarity 40.8%; Pred. No. 1.9e-34;
Matches 84; Conservative 34; Mismatches 81; Indels 7
179 IVFWKPTGWGWNDVICETRRNSICEM 204
                                                                                                                                                                                                                                                                                                                                                                                                                                           Search completed: March 28, 2006, 08:22:01 Job time : 25 secs
                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                           a
                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                               g
```

```
Sequence 53, Appl
Sequence 10, Appl
Sequence 2, Appl
Sequence 60, Appl
Sequence 10, Appl
Sequence 13, Appl
Sequence 12, Appli
Sequence 16, Appli
Sequence 20, Appli
Sequence 20, Appli
Sequence 20, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2, Appl
8, Appl
Appli
3, Appl
5, Appl
Appli
Appli
0, Appli
                                                                                                                                                                    March 28, 2006, 08:31:59; Search time 167 Seconds (without alignments) 522.912 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 9, M
Sequence 10, M
Sequence 49, M
Sequence 49, M
Sequence 253
Sequence 2, M
Sequence 2, M
Sequence 2, M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sequence 2, sequence 20, sequence 40, sequence 42, sequence 18, sequence 6, sequence 6, sequence 6, sequence 15, sequence 15,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Description
                                                                                                                                                                                                                                                                                             US-09-766-511B-53
1165
1 MMQEQQPQSTEKRGMLSLRL......NDVICETRRNSICEMNKIYL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Published Applications AA Main:*

(gn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

(gn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*

(gn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*

(gn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*

(gn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

(gn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1867569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-766-511B-53

US-09-766-511B-55

US-09-766-511B-60

US-09-766-511B-60

US-10-270-470-4

US-10-212-19B-13

US-10-212-19B-16

US-10-220-946-22

US-10-220-946-22

US-10-220-946-22

US-10-220-946-22

US-10-212-19B-6

US-10-212-19B-6

US-10-212-19B-6

US-10-39B-779-15

US-10-39B-779-15

US-10-39B-779-15

US-10-39B-779-15

US-10-312-19B-6

US-10-312-19B-6

US-10-312-19B-6

US-10-312-19B-6

US-10-312-19B-6

US-10-312-19B-6

US-10-312-19B-6

US-10-312-19B-6

US-10-312-19B-6

US-10-312-19B-6

US-10-312-19B-6

US-10-312-19B-6

US-10-312-19B-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -09-751-708A-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-428-817A-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-870-759-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1867569 segs, 417829326 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                     protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                        BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            length: 0
length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2211
2011
1932
1193
1178
1134
1134
2337
2337
2337
2337
2337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.0000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.0000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.0000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.0000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.0000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.0000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.0000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.0000

0.000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Post-processing:
                                                                                                                                                                                                                                                                                             Title:
Perfect score:
Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sed
                                                                                                                                                                                                                                                                                                                                                                                                                        Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1165
1165
885
885
793
642
637
637
630
628
617
591.5
535.5
535.5
5459.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4 4 5 8 4 5 8 4 4 5 8 8 4 4 5 8 8 4 4 5 8 8 4 5 8 8 4 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Minimum DB :
Maximum DB :
                                                                                                                  OM protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Database
                                                                                                                                                                              Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Result
No.
```

Sequence 464, App Sequence 103, App Sequence 103, App Sequence 12, Appl Sequence 12, Appl Sequence 12, Appl Sequence 216, Appl Sequence 216, Appl Sequence 314, Appl Sequence 315, Appl Sequence 315, Appl Sequence 8, Appl Sequence 8, Appl Sequence 8, Appl Sequence 8, Appl Sequence 8, Appl Sequence 11, Appl Sequence 11, Appl	HAVING PROGNOSTIC, DIAGNOST	Length 209; Indels 0; Gaps 0; WTYHFTYGETGKRLSELHSY 60
243 3 US-09-764-870-464 246 3 US-10-125-540-464 246 3 US-09-764-870-303 246 4 US-10-125-540-303 246 4 US-10-125-540-303 246 4 US-10-125-540-303 246 4 US-10-32-100-12 24 4 US-10-313-35-35 24 5 US-10-31-35-35 24 5 US-10-773-236-314 25 5 US-10-773-236-315 24 6 US-10-773-236-316 24 US-10-212-198-8 24 US-10-222-107-8 25 4 US-10-222-107-8 26 4 US-10-212-198-11 27 4 US-10-212-198-11 28 4 US-10-212-198-11 29 4 US-10-212-198-11	ALICHMENTS US/09766511B 00621A1 an A lestopher C D ang S scholas Andrew wuglas A Mehran M mehra	100.0%; Score 1165; DB 3; 100.0%; Pred. No. 4.8e-106 vative 0; Mismatches 0; TEKRGWLSLRLWSVAGISIALLSACFIVSC
458 458 458 39.3 448 445 445 445 445 445 445 445	SGULT 1 Sequence 53, Application US/09 Publication No. US20030170621A APPLICANT: MCCARTHY, Sean A APPLICANT: SHARP, John D APPLICANT: SHARP, John D APPLICANT: SHARP, John D APPLICANT: SHARP, John D APPLICANT: SHARP, John D APPLICANT: SHARP, John D APPLICANT: SHARP, John D APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S APPLICANT: MYERS, Paul S BRICK APPLICATION NUMBER: US PRIOR PLING DATE: 1999-06-19 PRIOR PLING DATE: 1999-06-19 PRIOR PLING DATE: 1999-06-30 NUMBER: US PRIOR PLING DATE: 1999-06-30 NUMBER OF SEQ ID NOS: 85 SEQ ID NO S3 LENGTH: 209 TYPE: PAT ORGANISM: Homo sapiens ONGANISM: Homo sapiens	Query Match Best Local Similarity Matches 209; Conser 1 MMQEQQPOS 1 MMQEQQPOS
N 20 10 10 10 10 10 10 10 10 10 10 10 10 10	RESULT US-09-09-09-09-09-09-09-09-09-09-09-09-09-	Que: Best Matr Matr Dy Oy

IC, PRE

```
SEQ ID NO 2
LENGTH: 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠ
                                                                                                                                                                                                                                                                                                       Sequence 10, Application US/10270470

Sequence 10, Application US/10270470

Publication No. US20030162955A1

GENERAL INFORMATION:

APPLICANT: Quan, Ahn B.

APPLICANT: Gorman, Daniel M.

APPLICANT: Gorman, Daniel M.

APPLICANT: Sealand, Sem

APPLICANT: Sealand, Sem

APPLICANT: Seland, Sem

APPLICANT: Lebecque, Serge J.E.

APPLICANT: Bhilips, Joseph H.

TILE OF INVENTION: ISOLATED MAWMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS;

FILE REFERENCE: DX0802QK

CURRENT APPLICATION NUMBER: US/10/270,470 — d:Scl ps. 230b.

CURRENT PILING DATE: 1999-03-16

PRIOR FILING DATE: 1999-03-16

PRIOR FILING DATE: 1999-03-17

NUMBER OF SEQ ID NOS: 10

SOFTWARE: PATENTIN VETSION 3.11

SOFTWARE: PATENTIN VETSION 3.11

SOFTWARE: PATENTIN VETSION 3.11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIV 180
                                                                                                            61 HSSLTCFSEGTKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTE 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121 AEQNFIVOQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIV 180
HSSLTCFSEGTKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTE 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 MMQEQQPQSTEKRGWLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSELHSY 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61 HSSLTCFSEGTKVPAMGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTE
                        HSSLTCFSEGTKVPAMGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTE
                                                                                   121 AEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 MMQEQQPQSTEKRGWLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSELHSY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 209;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.0%; Score 1165; DB 4; Best Local Similarity 100.0%; Pred. No. 4.8e-106; Matches 209; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                 191 FWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181 FWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 55, Application US/09766511B
Publication No. US20030170621A1
GENERAL INFORMATION:
APPLICANT: MCCARTHY, Sean A
APPLICANT: SHARP, John D
APPLICANT: SHARP, John D
APPLICANT: BARNES, Thomas S
APPLICANT: MRST, Susan J
APPLICANT: MYERS, Paul S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-766-511B-55
                                                                                                                                                                                                                                                                                                    US-10-270-470-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-270-470-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 10
LENGTH: 209
                                                                                                                                                                        181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        181
                                        61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                      g
                                                                                   ઠે
                                                                                                                         유
                                                                                                                                                                        ઠે
                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a
```

```
APPLICANT: HOLIZMAN, LOUGHER A
APPLICANT: HOLIZMAN, LOUGHER A
APPLICANT: HOLIZMAN, LOUGHER A
TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PREV
ITILE OF INVENTION: THERAPEUTIC, AND OTHER USES
FILE REFERENCE: 10147-65
CURRENT APPLICATION NUMBER: US 09/766,5118
CURRENT FILING DATE: 2002-05-07
PRIOR APPLICATION NUMBER: US 09/313,159
PRIOR PILING DATE: 1999-06-14
PRIOR PILING DATE: 1999-06-14
PRIOR APPLICATION NUMBER: US 09/342,364
PRIOR PILING DATE: 1999-06-16
PRIOR APPLICATION NUMBER: US 09/608,452
PRIOR APPLICATION NUMBER: US 09/293,996
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
PRIOR PILING DATE: 1999-06-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US=10-2/0-4/0-2

j Sequence 2, Application US/10270470

j Sequence 2, Application US/10270470

j Sequence 2, Application No. US20030162955A1

GENERAL INFORMATION:
APPLICANT: Chalue, Lionel
APPLICANT: Grann, Daniel M.
APPLICANT: German, Daniel M.
APPLICANT: German, Daniel M.
APPLICANT: German, Daniel M.
APPLICANT: Georgiue, Serge J.E.
APPLICANT: Bates Segent M.
APPLICANT: Phillips, Joseph H.
TITLE OF INVENTION: ISOLATED MAWMALIAN MEMBRANE PROTEIN GENES, RELATED REAGENTS;
FILE REFERENCE: DX0802QK
CURRENT APPLICATION NUMBER: US/10/270,470

CURRENT APPLICATION NUMBER: US 60/070,368

PRIOR FILING DATE: 1999-03-16
PRIOR FILING DATE: 1999-03-16

PRIOR FILING DATE: 1999-03-16

NUMBER OF SEQ ID NOS: 10

SOFTWARE: PatentIn Version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61 EMGAHLVVFNTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGE 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 ETGKRLSELHSYHSSLTCFSEGTKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         109 EMGAHLVVFNTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              49 ETGKRLSELHSYHSSLTCFSEGTKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 161;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PNHSAEQCASIVFWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 121 PNHSAEQCASIVFWKPTGWGWNDVICETRRNSICEMNKIYL 161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         78.3%; Score 912; DB 3;
100.0%; Pred. No. 2.5e-81;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 85
SOFWARE: Patentin version 3.1
SEQ ID NO 55
LENOTH: 161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 78.39
Best Local Similarity 100.9
Matches 161, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens
US-09-766-511B-55
```

8 임 ઠ 셤 ઠે

```
Sequence 4, Application US/10270470

Sequence 4, Application US/10270470

Sequence 4, Application No. US20030162955A1

GENERAL INFORMATION:
APPLICANT: Chalus, Lionel
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Gorman, Daniel M.
APPLICANT: Gorman, Daniel M.
APPLICANT: Gorman, Daniel M.
APPLICANT: Gorman, Daniel M.
APPLICANT: Gorman, Daniel M.
APPLICANT: Gorman, Daniel M.
APPLICANT: Gorman, Daniel M.
APPLICANT: Gorman, Daniel M.
APPLICANT: Bates, Serge J.E.
APPLICANT: Bates, Serge J.E.
APPLICANT: Gorman, Daniel M.
APPLICANT: US0802QK
CURRENT APPLICATION NUMBER: US/10/270,470
CURRENT APPLICATION NUMBER: US 60/070,368
PRIOR FILING DATE: 1999-03-16
PRIOR FILING DATE: 1999-03-16
PRIOR FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 10
SOFTWARE: Patentin version 3.1
                                    117 FNTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQC 176
                                                                         117 INTEAEQNFITQQLNESLSYFLGLSDPQGNGKWQWIDDTPFSQNVRFWHPHEPNLPEERC 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             59 SYHSSLICFSEGTKV--PAMGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVV 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        117 FNTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQC 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                117 INTEAEQNFITQQLNESLSYFLGLSDPQGNGKWQWIDDTPFSQNVRFWHPHEPNLPEERC 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MMQEQQPQSTEKRG--WLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSELH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     <del>в</del>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 68.1%; Score 793; DB 4; Length 209; Best Local Similarity 68.1%; Pred. No. 1.7e-69; Matches 145; Conservative 19; Mismatches 41; Indels
                                                                                                                                                         177 ASIVEWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                              177 VSIVYWNPSKWGWNDVFCDSKHNSICEMKKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               177 ASIVFWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 13, Application US/10212198; Publication No. US20030138804A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Arterburn, Matthew C.
Binnerts, Minke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Boyle, Bryan J
APPLICANT: Pord, John B.
APPLICANT: Mize, Nancy K.
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Drmanac, Radoje T.
APPLICANT: Dickgon, Mark C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 7
US-10-212-198-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-270-470-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 4
                                                                                             셤
                                                                                                                                                             ò
                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ద
                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: REARSE, Christopher C
APPLICANT: REARSE, Christopher C
APPLICANT: REARSE, Christopher C
APPLICANT: REARSE, Christopher C
APPLICANT: REARSE, Christopher C
APPLICANT: BARNES, Thomas S
APPLICANT: BARNES, Thomas S
APPLICANT: MICHOLAS
APPLICANT: WIRTS, Susan J
APPLICANT: MICHOLAS
APPLICANT: HOLICANT: MICHOLAS
APPLICANT: HOLICANT: MOUSE GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PREV
TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, PREV
TITLE OF INVENTION NOVEL GENES ENCODING PROTEINS HAVING PROCNOSTIC, DIAGNOSTIC, PREV
TITLE OF INVENTION NOVEL GENES ENCODING PROTEINS
FILE REPERBACE: 10147-65
CURRENT FILING DATE: 2002-05-07
FILE REPERBACE: 103-06-14
FRIOR FILING DATE: 2000-06-14
FRIOR FILING DATE: 1039-06-14
FRIOR PELICATION NUMBER: US 09/536,194
FRIOR APPLICATION NUMBER: US 09/342,364
FRIOR APPLICATION NUMBER: US 09/342,660
FRIOR FILING DATE: 1939-09-10
FRIOR FILING DATE: 1939-09-10
FRIOR FILING DATE: 1939-09-10
FRIOR FILING DATE: 1939-09-10
FRIOR FILING DATE: 1939-09-10
FRIOR FILING DATE: 1939-09-10
FRIOR FILING DATE: 1939-09-10
FRIOR FILING DATE: 1039-09-10
FRIOR FILING DATE: PARENTIN VERSER: US 09/345,680
FRIOR FILING DATE: 1039-09-10
FRIOR FILING DATE: PARENTIN VERSER: US 09/345,680
FRIOR FILING DATE: PARENTIN VERSER: US 09/345,680
FRIOR FILING DATE: PARENTIN VERSER: US 09/345,680
FRIOR FILING DATE: PARENTIN VERSER: US 09/345,680
FRIOR FILING DATE: PARENTIN VERSER: US 09/345,680
FRIOR FILING DATE: PARENTIN VERSER: US 09/345,680
FRIOR FILING DATE: PARENTIN VERSER: US 09/345,680
FRIOR FILING DATE: PARENTIN VERSER: US 09/345,680
FRIOR FILING DATE: PARENTIN VERSER: US 09/345,680
FRIOR FILING DATE: PARENTIN VERSER: US 09/345,680
FRIOR FILING DATE: PARENTIN VERSER: US 09/345,680
FRIOR FILING DATE: PARENTIN VERSER: US 09/345,680
FRIOR FILING DATE: LANDER: US 09/345,680
FRIOR FILING DATE: LANDER: US 09/345,680
FRIOR FILING DATE: LANDER: US 09/345,680
FRIOR FILING DATE: LANDER: US 09/345,680
FRIOR FILING DATE: US 09/345,680
FRIOR FILING DATE: US 09/345,680
FRIOR FILING DATE: US 
                                                                                                                                                                ó
                                                                                                                                                                                                                                                                                                                                                                                         61 HSSLTCPSEGTKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTE 120
                                                                                                                                                                                                                                                                                                                                                        61 HSSLTCFSEGTKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTE 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SYHSSLTCFSEGTKV--PAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVV 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9
                                                                                                                                                                                                                         1 MMQEQQPQSTEKRGWLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSELHSY 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 MMQEQQPQSTEKRGWLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSELHSY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MMQEQQPQSTEKRG--WLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSELH
                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .
8
                                                                                                                                                                ö
                                                                                          Query Match 76.0%; Score 885; DB 4; Length 162; Best Local Similarity 100.0%; Pred. No. 1.1e-78; Matches 162; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              68.1%; Score 793; DB 3; Length 209;
68.1%; Pred. No. 1.7e-69;
iive 19; Mismatches 41; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121 AEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVR 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121 AEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVR 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 60, Application US/09766511B Publication No. US20030170621A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 68.1%
Matches 145; Conservative
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT; ORGANISM: MUS SD. US-09-766-511B-60
   ; ORGANISH.
US-10-270-470-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29
```

ઠ 셤 ò g

```
APPLICANT: Tang, ...

APPLICANT: Liu, Chenghua
APPLICANT: Liu, Chenghua
APPLICANT: Liu, Chenghua
APPLICANT: Drmanac, Radoje T.
APPLICANT: Drmanac, Radoje T.
APPLICANT: Binnerts, Minke
TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804Alel C-type L.
TITLE OF INVENTION: WOMBER: US/10/212,198
FILE REFERENCE: HYS-SCIP
CURRENT APPLICATION NUMBER: 09/545,283
PRIOR APPLICATION NUMBER: 09/545,283
PRIOR APPLICATION NUMBER: 09/496,914
PRIOR APPLICATION NUMBER: 09/496,914
PRIOR FILING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 16
SOFFWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 20, Application US/10220946
| Publication No. US20030124575A1
| GENERAL INFORMATION: US20030124575A1artis AG |
| APPLICANT: No. US20030124575A1artis Erfindungen Verwaltungsgesellschaft m.b.H. |
| APPLICANT: No. US20030124575A1artis Erfindungen Verwaltungsgesellschaft m.b.H. |
| APPLICANT: Paper Gudrun |
| APPLICANT: Jaritz, Markus |
| APPLICANT: Lapp, Hilmar |
| APPLICANT: Lapp, Hilmar |
| APPLICANT: Althoff Frank Stephan |
| TITLE OF INVENTION: Organic Compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 YQQYHPSLITCVMEGKDIEDWSCCPTPWTSFQSSCXFISTGMQSWTKSQKNCSVMGADLVV 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      117 FNTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQC 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121 INTREEQDFIIQNLKRNSSYFLGLSDPGGRRHWQWVDQTPYNENVTFWHSGEPNNLDERC 180
121 INTREEQDFIIQNLKRNSSYFLGLSDPGGRRHWQWVDQTPYNENVTFWHSGEPNNLDERC 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 MMQEQQPQSTEK-RGWLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSEL--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      58 -HSYHSSLICFSEGIKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 54.7%; Score 637; DB 4; Length 213; Best Local Similarity 54.0%; Pred. No. 3.6e-54; Matches 115; Conservative 30; Mismatches 64; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           177 ASIVFWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        177 ASIVFWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                    ; Sequence 16, Application US/10212198; Publication No. US20030138804A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                             APPLICANT: Boyle, Bryan J
APPLICANT: Ford, John B.
APPLICANT: Mize, Nancy K.
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Drmanac, Radoje T.
APPLICANT: Dickson, Mark C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-220-946-20
                                                                                                                                                                                                             RESULT 9
US-10-212-198-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          엄
                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                ઠે
                                 셤
          ξ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Turner, C. Alexander Jr.
APPLICANT: Mathur, Brian
APPLICANT: Mathur, Brian
APPLICANT: Cullinan, Emily B.
FILLE OF INVENTION: DESCOULD 17914A1e1 Human Dectin Proteins and Polynucleotides |
FILLE OF INVENTION: 0250020137914A1e1 Human Dectin Proteins and Polynucleotides |
FILLE REPERENCE: LEX-03.5-USA
CURRENT FILLNG DATE: 2002-03.01
PRIOR FILING DATE: 2001-03.01
PRIOR FILING DATE: 2001-03.12
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FasteseQ for Windows Version 4.0
SEQ ID NO 2
  TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804Alel C-type ITILE OF INVENTION: Polypeptides and Polynucleotides FILE REPERENCE: HYS-SCIP CURRENT APPLICATION NUMBER: US/10/212,198 CURRENT FILING DATE: 2002-08-02 PRIOR APPLICATION NUMBER: 09/545,283 PRIOR PILING DATE: 2000-04-07 PRIOR PILING DATE: 2000-04-07 PRIOR PILING DATE: 2000-02-03 NUMBER OF SEQ ID NOS: 16 SOFTWARE: Patentin version 3.1 SEQ ID NO 13 LENGTH: 213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 YQQYHPSLICVMEGKDIEDWSCCPTPWTSFQSSCYFISTGMQSWTKSQKNCSVMGADLVV 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           58 -HSYHSSLTCFSEGTKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVV 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         117 FNTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQC 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        58 -HSYHSSLICFSEGIKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVV 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61 YQQYHSSLTCVMEGKDIEDWSCCPTPWTSFQSSCYFISTGMQSWTKSQKNCSVMGADLVV 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           117 FNTEAEQNFIVOOLNESFSYFLGLSDPOGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQC 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MMQEQQPQSTEK-RGWLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSEL-- 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MMQEQQPQSTEK-RGWLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSEL--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        54.7%; Score 637; DB 4; Length 213; llarity 54.0%; Pred. No. 3.6e-54; Conservative 30; Mismatches 64; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 213,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            63 ;
                                                                                                                                                                                                                                                                                                                                                                                                                                        55.1%; Score 642; DB 4; 54.5%; Pred. No. 1.2e-54;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ASIVFWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 2, Application US/10090466 Publication No. US20020137914A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 54.5% Matches 116; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
Matches 115; Conserv
                                                                                                                                                                                                                                                                                                                                                                                         US-10-212-198-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-090-466-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-090-466-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
```

ò

ઠે 셤 ઠ 셤 ઠે 원 셤

ò

ઠે 유 ò

```
Sequence 22, Application US/10220946

Sequence 22, Application US/10220946

Publication No. US20030124575Alartis AG

APPLICANT: No. US20030124575Alartis Erfindungen Verwaltungsgesellschaft m.b.H.

APPLICANT: No. US20030124575Alartis Erfindungen Verwaltungsgesellschaft m.b.H.

APPLICANT: Phares, William

APPLICANT: Jaritz, Markus

APPLICANT: Jaritz, Markus

APPLICANT: Jaritz, Markus

APPLICANT: Jaritz, Markus

APPLICANT: Jaritz, Markus

APPLICANT: Jaritz, Markus

APPLICANT: Jaritz, Markus

APPLICANT: Jaritz, Markus

APPLICANT: Jaritz, Markus

APPLICANT: Jaritz, Markus

APPLICANT: Jaritz, Markus

APPLICANT: Jaritz, Markus

PRICANT: Jaritz, Markus

FILE REFERENCE: 4-31347 PCT

CURRENT APPLICATION NUMBER: US 60/192, 934

PRIOR APPLICATION NUMBER: US 60/205, 026

PRIOR APPLICATION NUMBER: US 60/205, 020

PRIOR APPLICATION NUMBER: US 60/205, 769

PRIOR PILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19

PRIOR FILING DATE: 2000-05-19
                                                                                                                                                                                                                                                                                                          61 YQQYHSSLTCVMEGKDIEDWSCCPTPWTSFQSSCYFISTGMQSWTKSQKNCSVMGADLVV 120
                                                                                                                                                                                                                                                                                                                                                                                                                                             121 INTTEEHDFIIHNLKRNSSYFLGLSHPRGRRHWQWYDHTPYNENVTFWHSGEPNNLDERC 180
                                                                                                                                                                                                                                                                         58 -HSYHSSLTCFSEGTKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVV 116
                                                                                                                                                                                                                                                                                                                                                                                                     117 FNTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQC 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      60 YHSSLICFSEGIKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNT 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      62 YHPSLTCVMEGKDIEDWSCCPTPWTSFQSSCYFISTGMQSWTKSQKNCSVMGADLVVINT 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     120 BAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYBKNVRFWHLGEPNHSAEQCASI 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MMQEQQPQSTEK-RGWLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSEL-- 57
                                                                                                                                                                                     2 RPASEDREKGLWWFQLKVWSMAVVSILLISVCFTVSSVVPHNFMYSKTVKRLSKLREYQQ 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6 QPQSTEKR---GWLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSEL---HS
                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9
                53.9%; Score 628; DB 4; Length 234; 53.5%; Pred. No. 3.1e-53; ive 28; Mismatches 67; Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 53.0%; Score 617; DB 4; Length 211; Best Local Similarity 52.9%; Pred. No. 3.3e-52; Matches 111; Conservative 30; Mismatches 63; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    177 ASIVFWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181 AIINFRSSQEWGWNDIHCHVPHKSICEMKKIYI 213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     180 VFWKPTGWGWNDVICETRRNSICEMNKIYL 209
          Query Match
Best Local Similarity 53.5'
Matches 114; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          <u>::</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-220-946-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 22
                                                                                                                                                                                                         셤
                                                                                                                                                ઠ
                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Boyle, Bryan J
APPLICANT: Boyle, Bryan J
APPLICANT: Boyle, Bryan J
APPLICANT: Boyle, Bryan J
APPLICANT: Mize, Nancy K.
APPLICANT: Tang Y: Tom
APPLICANT: Tang Y: Tom
APPLICANT: Liu, Chenghua
APPLICANT: Dickson, Marke
APPLICANT: Dickson, Marke
APPLICANT: Binnerts, Minke
APPLICANT: Binnerts, Minke
TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804Alel C-type Le
TITLE OF INVENTION: Methods and Polynucleotides
TITLE OF INVENTION: Polypeptides and Polynucleotides
FILE REFERENCE: HYS-SCIP
CURRENT FILING DATE: 2000-04-07
PRIOR FILING DATE: 2000-04-07
PRIOR PILING DATE: 2000-04-07
PRIOR FILING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin Version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61 HSSLTCFSEGTKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTE 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       121 AEONFIVOQINESFSYFIGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIV 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5 QOPOSTEK-RGWLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSEL---HSY 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10 QEPQDREKGLWWFQLKVWSMAVVSILLLSVCFTVSSVVPHNFMYSKTVKRLSKLREYQQY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 54.1%; Score 630; DB 4; Length 218; Best Local Similarity 54.5%; Pred. No. 1.8e-53; Matches 114; Conservative 28; Mismatches 63; Indels
FILE REFERENCE: 4-31347 PCT

CURRENT APPLICATION NUMBER: US/10/220,946

CURRENT FILING DATE: 2002-09-06

FRIOR APPLICATION NUMBER: US 60/192,934

FRIOR FILING DATE: 2000-03-29

FRIOR FILING DATE: 2000-05-18

FRIOR FILING DATE: 2000-05-18

FRIOR FILING DATE: 2000-05-18

FRIOR FILING DATE: 2000-05-19

FRIOR APPLICATION NUMBER: US 60/205,020

FRIOR FILING DATE: 2000-05-19

FRIOR FILING DATE: 2000-05-19

FRIOR FILING DATE: 2000-05-19

FRIOR FILING DATE: 2000-05-19

FRIOR FILING DATE: 2000-05-19

FRIOR FILING DATE: 2000-05-19

FRIOR FILING DATE: 2000-05-19

FRIOR FILING DATE: 2000-05-19

FRIOR FILING DATE: 2000-05-19

FRIOR FILING DATE: 2000-05-19

FRIOR FILING DATE: 2000-05-19

FRIOR FILING DATE: 2000-05-19

FRIOR FILING DATE: 2000-05-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           190 FRSSEEWGWNDIHCHVPQKSICKMKKIYI 218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181 FWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 4, Application US/10212198
Publication No. US20030138804A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Homo Sapiens
US-10-220-946-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: Homo sapiens
US-10-212-198-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 4
LENGTH: 234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
```

```
TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804A1el C-type L. TITLE OF INVENTION: Methods and Polymucleotides
TITLE OF INVENTION: Polypeptides and Polymucleotides
FILE REPERENCE: HXS-SCIP
CURRENT APPLICATION NUMBER: US/10/212,198
CURRENT APPLICATION NUMBER: US/545,283
FINDR APPLICATION NUMBER: 09/545,283
FRIOR FILING DATE: 2000-04-07
FRIOR APPLICATION NUMBER: 09/496,914
FRIOR APPLICATION NUMBER: 09/496,914
FRIOR APPLICATION NUMBER: 09/496,914
SAIDN FILING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98 KVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPY 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          98 KVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPY 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 VPHNFMYSKTVKRLSKLREYQQYHSSLTCVMEGKDIEDWSCCPTPWTSFQSSCYFISTGM 60
                                                                                                                                                                                              11 VPHNFMYSKTVKRLSKLREYQQYHXSLTCVMEGKDIEDWSCCPTPWTSFQSSCYFISTGM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       41 VTYHFTYGETGKRLSEL---HSYHSSLTCFSEGTKVPAWGCCPASWKSFGSSCYFISSEE
                                                                                                                                                     41 VTYHFTYGETGKRLSEL---HSYHSSLTCFSEGTKVPAWGCCPASWKSFGSSCYFISSEE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               158 EKNVRFWHLGEPNHSAEQCASIVFWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               158 EKNVRFWHLGEPNHSAEQCASIVFWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .;
                                                                              3,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 193;
       46.0%; Score 535.5; DB 4; Length 182; 54.7%; Pred. No. 2.8e-44; ive 23; Mismatches 52; Indels 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
45.1%; Score 525.5; DB 4; Length
Best Local Similarity 54.1%; Pred. No. 2.9e-43;
Matches 93; Conservative 21; Mismatches 55; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Search completed: March 28, 2006, 08:39:18
Job time : 168 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Boyle, Bryan J
APPLICANT: Ford, John E.
APPLICANT: Mize, Nancy K.
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Drmanac, Raddje T.
APPLICANT: Dickson, Mark C.
APPLICANT: Arterburn, Matthew C.
APPLICANT: Binnerts, Minke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 6, Application US/10212198; Publication No. US20030138804A1; GENERAL INFORMATION:
من معلم معندله عدد المحالة المحالة المحالة 194.7 المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المحالة المح
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-212-198-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                    ઠે
                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 4, Application US/10090466
Sequence 4, Application US/10090466
Publication No. US20020137914A1
GENERAL INFORMATION:
APPLICANT: Turner, C. Alexander Jr.
APPLICANT: Cullinan, Emily B.
FILLE OF INVENTION: No. US20020137914A1e1 Human Dectin Proteins and Polynucleotides FILLE REFERENCE: LEX-0315-USA
CURRENT APPLICATION NUMBER: US/10/090,466
CURRENT APPLICATION NUMBER: US 60/274,961
PRIOR FILING DATE: 2001-03-12
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61 HSSLTCFSEGTKV--PAWGCCPASWKSFGSSCYFISSEEKV-WSKSEQNCVEMGAHLVVF 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             118 NTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCA 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 MMQEQQPQSTEKRGWLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSELHSY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MMQE-RPAQGQVVCW-SLRLWMAALISILLLSTCFIASCVVTYQLMMNKPNRRLSELHTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       63;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 591.5; DB 4;
Pred. No. 1e-49;
                                                                                                                                                                                  Sequence 18, Application US/10492100
Publication No. US20040214190A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: IMMUNEX CORPORATION
APPLICANT: Butz, Eric M.
TITLE OF INVENTION: MAMMALIAN C-TYPE LECTINS
FILE REPRENCE: 3318-WO
CURRENT APPLICATION NUMBER: US/10/492,100
CURRENT FILING DATE: 2004-04-08
FRIOR APPLICATION NUMBER: US 60/328,026
FRIOR FILING DATE: 2001-10-09
NUMBER OF SEQ ID NOS: 26
SOFTWARE: Patentin version 3.1
SEQ ID NO 18
LENGTH: 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               178 SIVFWKPTGWGWNDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 50.8%; Score 591.5; I
Best Local Similarity 52.8%; Pred. No. 1e-49
Matches 112; Conservative 30; Mismatches
                      182 NFRSSEEWGWNDIHCHVPQKSICKMKKIYI 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: VARIANT
COCATION: (1)...(182)
COTHER INFORMATION: Xaa = Any Amino Acid
WS-10-090-466-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Mus sp. US-10-492-100-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               182
                                                                                                                                                                       US-10-492-100-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 14
US-10-090-466-4
                      요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
```

```
Sequence 4, Appli
Sequence 422, App
Sequence 422, App
Sequence 3, Appli
Sequence 9, Appli
Sequence 206, App
Sequence 209, Appli
Sequence 207, Appli
Sequence 207, Appli
Sequence 207, Appli
Sequence 207, Appli
Sequence 207, Appli
Sequence 207, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 67, App]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                         (without alignments)
81.110 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 208, Sequence 458, Sequence 160, Sequence 160, Sequence 278, Sequence 2790, Sequence 2790, Sequence 2790, Sequence 2790, Sequence 2790, Sequence 2790, Sequence 2790, Sequence 279, App.
                                                                                                                                                                          US-09-766-511B-53
1165
1 MMQEQQPQSTEKRGWLSLRL......NDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 3
Sequence 1
Sequence 1
Sequence 1
                                                                                                  March 28, 2006, 08:36:38; Search time 76 Seconds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Published Applications AA New:*

1: /SIDS5/ptodata/1/pubpaā/USO6_NEW_PUB.pep:*

2: /SIDS5/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*

3: /SIDS5/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*

4: /SIDS5/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*

5: /SIDS5/ptodata/1/pubpaa/USO9_NEW_PUB.pep:*

6: /SIDS5/ptodata/1/pubpaa/USI0_NEW_PUB.pep:*

7: /SIDS5/ptodata/1/pubpaa/USI0_NEW_PUB.pep:*

8: /SIDS5/ptodata/1/pubpaa/USI0_NEW_PUB.pep:*
GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-877-346-67

US-11-132-697-4

US-10-131-8264-422

US-10-973-1158-422

US-11-152-697-3

US-11-055-877-209

US-11-055-877-209

US-11-055-877-209

US-11-055-877-209

US-11-055-877-209

US-11-055-877-209

US-11-055-877-208

US-10-055-877-208

US-10-057-877-208

US-10-057-877-208

US-10-057-877-205

US-11-133-465A-1

US-11-106-399-2

US-11-106-399-2

US-11-106-399-2

US-11-106-399-2

US-11-106-399-2

US-11-106-399-2

US-11-106-399-2

US-11-106-399-2

US-11-106-399-2

US-11-106-399-2

US-11-106-399-2

US-11-106-399-2

US-11-106-399-2

US-11-108-172-1070

US-11-108-172-1077
                                                                                                                                                                                                                                                                                                                                          Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                        174695 seqs, 29494374 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                   Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                    - protein search, using sw model
                                                                                                                                                                                                                                                  BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                              Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query
Match Length DB
                                                                                                                                                                            Title:
Perfect score:
                                                                                                                                                                                                                                                    Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2225.5
2207.5
190.5
189.5
167.5
167.5
160.5
160.5
151.5
151.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       151.5
142.5
                                                                    OM protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Database :
                                                                                                                                                                                                                Sequence:
                                                                                                                                                                                                                                                                                                         Searched:
                                                                                                      Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Result
```

e 1079, Ap	e 1080, Ap	e 2, Appli	e 5, Appli	e 7, Appli	188	e 6, Appli	e 9, Appli	10,	e 33, Appl	32,	31,	30,	-		e 522, App	29,	857,	9 61, Appl	e 1, Appli
Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Seguence	Sequence	Sequence	Sequence
US-11-108-172-1079	US-11-108-172-1080	US-11-133-465A-2	US-11-152-697-5	US-11-106-399-7	US-10-689-742-188	US-11-106-399-6	US-11-106-399-9	US-11-106-399-10	US-11-043-788-33	US-11-043-788-32	US-11-043-788-31	US-11-043-788-30	US-09-978-360A-753	US-10-131-826A-522	US-10-973-115B-522	US-10-533-811-59	US-10-475-075-857	US-10-533-811-61	US-10-532-426-1
7	7	7	_	7	9	7	,	7	7	2	7	7	ഗ	9	9	9	9	9	9
158	158	158	539	199	265	149	260	179	189	242	435	610	229	229	229	160	122	160	174
11.8	11.8	11.8	11.5	11.5	11.4	11.3	11.3	11.2	11.2	11.2	11.2	11.2	10.9	10.9	10.9	10.8	10.6	10.6	10.5
138	138	138	134.5	133.5	133	132	131.5	131	130.5	130.5	130.5	130.5	127.5	127.5	127.5	126	123.5	123.5	122.5
26	27	28	53	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

ALIGNMENTS

```
Lephon Milliam M
-obrook II, John P
Lephok Denies M
-i. Burges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i. Hurges, Catherine B
-i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 127
SOFTWARE: PatentIn Ver. 2.1
                            ; Sequence 67, Application US/10877346; Publication No. US20060014153A1; GENERAL INFORMATION:
US-10-877-346-67
```

요 ò 엄 ò 임

```
Stewart, Timothy A. Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | |:::: |||
275 DAPCDSEKDGWICE 288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   191 DVICETRRNS-ICE 203
                                                                                                                                                                                                      Watanabe, Colin K
Wood, William
                 Gao, Wei-Qiang
Gerritsen, Mary E.
                                                       Goddard, Audrey
Godowski, Paul J.
Gurney, Austin L.
                                                                                                                        Sherwood, Steven
                                                                                                                                              Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , ORGANISM: Homo Sapien
US-10-131-826A-422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               45;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 4, Application US/11152697
Publication No. US20060003367A1
GENERAL INFORMATION
GENERAL INFORMATION:
TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING A NOVEL HUMAN KUPFFER CELL RECEPTOR
TITLE OF INVENTION: PROTEIN, BGS-18
FILE REFERENCE: DOZ-2 NP
CURRENT APPLICATION NUMBER: US/11/152,697
CURRENT APPLICATION NUMBER: 60/580,006
PRIOR FILING DATE: 2004-06-15
NUMBER OF SEQ ID NOS: 63
SOFTWARE: Patentin version 3.2
SEQ ID NO 4
LENGTH: 328
                                                                                                                                                                                                                                                                                                                                                                                        61 YWIGLSRPDSNGSWQWSDGSPVDYS--NWAPGEPGGSGN---CVVLSTSGGGKWNDVSC 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  83 WKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFLGLSD 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             143 PQGNNNWQWIDKTPYEK--NVRFWHLGEPNHSA--EQCASIVFWKPTGWGWNDVICETRR 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  258 AGMEGDWSWYDDTPFNKVQSARFWIPGEPNNAGNNEHCGNIK--APSLQAWNDAPCDKTF 315
                                                                                                                                                                                                                                                                           79 CPASWKSF-GSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFS-- 135
                                                                                                                                                                                                                                                                                                                                                                136 YFLGLSDPQGNNNWQWIDKT-PYEKNVRFWHLGEPNHSAEQCASIVFWKPTGWGWNDVIC 194
                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                     Gabs
                                                                                                                                                                                                                                   ..
6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7;
                                                                                                                                                                                    19.4%; Score 225.5; DB 6; Length 124; ilarity 37.2%; Pred. No. 4.1e-15; Conservative 22; Mismatches 50; Indels 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 7; Length 328;
                                                                                                    OTHER INFORMATION: Description of Artificial Sequence: CLECT OTHER INFORMATION: Consensus Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          54; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17.8%; Score 207.5; DB 7. illarity 34.4%; Pred. No. 7.2e-13; Conservative 21; Mismatches 54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 422, Application US/10131826A Publication No. US20050245730A1 GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen APPLICANT: DeForge, Laura APPLICANT: Desnoyers, Luc
           LENGTH: 124
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                  195 ETRRNSICE 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        116 TSKLPFICE 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 43; Conserva
                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 48; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    316 LFICK 320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          199 NSICE 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-131-826A-422
                                                                                                                                              US-10-877-346-67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 2
US-11-152-697-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-11-152-697-4
SEQ ID NO 67
                                                                                    FEATURE:
```

ઠે 임 ઠે 셤

ઠે 셤

```
AFPLICANT: ANOGA WILLIAM

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R.C128

CURRENT APPLICATION NUMBER: US/10/131,826A

CURRENT FILING DATE: 1997-06-18

PRIOR PILING DATE: 1997-06-18

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-18

PRIOR PILING DATE: 1997-09-18

PRIOR PILING DATE: 1997-09-19

PRIOR PILING DATE: 1997-09-19

PRIOR PILING DATE: 1997-09-19

PRIOR PILING DATE: 1997-09-19

PRIOR PILING DATE: 1997-09-19

PRIOR PILING DATE: 1997-09-19

PRIOR PILING DATE: 1997-09-19

PRIOR PILING DATE: 1997-09-19

PRIOR PILING DATE: 1997-09-19

PRIOR PILING DATE: 1997-09-19

PRIOR PILING DATE: 1997-09-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                79 CPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFL 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 139 G-----LSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHS--AEQCASIVFWKPTGWGWN 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          224 GLRAVRHIGKVQG---YQWVDGV--SLSFSHWNQGEPNDAMGRENCVMMLH---TGL-WN 274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 550 SEQ ID NO 422 LENGTH: 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 293;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    49;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16.4%; Score 190.5; DB 6 ilarity 33.6%; Pred. No. 2.9e-11; Conservative 21; Mismatches 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NS-10-973-115B-422

Sequence 422, Application US/10973115B
Publication No. U220060040351A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: DeForge, Laura
APPLICANT: Pesnoyers, Luc
APPLICANT: Filvaroff, Ellen
```

```
Sequence 9, Application US/11071259
Publication No. U020060008440A1
GBNERAL INFORMATION:
GBNERAL INFORMATION:
APPLICANT: Blatt, Thomas
APPLICANT: Mummert, Christopher
APPLICANT: Mummert, Claudia
APPLICANT: Mummert, Claudia
APPLICANT: Mummert, Cramations Reab, Franz
TITLE OF INVENTION: Commetic or Dermatological Preparations Having a Content of
TITLE OF INVENTION: Anti-Freezing Proteins and/or Anti-Freezing Glycoproteins
FILE REPERENCE: P2668
CURRENT APPLICATION NUMBER: US/11/071,259
CURRENT FILING DATE: 2005-03-04
PRIOR PAPLICATION NUMBER: PCT/EP2002/010044
FRIOR PLING DATE: 2002-09-07
MANDED OF COLIN NOC. 24
                                                                                                                                                                             82 SWKSFGSSCYPISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFLGLS 141
                                                                                                                                                                                                           142 DPQGNNNWQWIDKTPYE--KNVRFWHLGEP-----NHSAEQCASIVFWKPTGWGWNDVI 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            79 CPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFL 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            44 CPAGWGPLGDRCIYYETTAMTWALAETNCMKLGGHLASIHSQEGHSFI-QTLNAGVVWIG 102
                                                                                                                                                                                                                                                                                                                              474 DOCTEGIWRWYDGTPFNNAQSKGFWGKNQPDNWRHRNGEREDCVHV-----RQQWNDMA 527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  139 GLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNH-----SAEQCASIVFWKPTGW 187
                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               103 GSACLQA-GAWTWSDGTP--MNFRSWCSTKPDDVLAACCMQMTAAADQC-----
                                                                                                                           51; Indels 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
14.4%; Score 167.5; DB 7; Length 166;
Best Local Similarity 27.7%; Pred. No. 2.8e-09;
Matches 38; Conservative 20; Mismatches 52; Indels 27;
                                                                  16.3%; Score 189.5; DB 7; Length 548; 29.2%; Pred. No. 7.4e-11; tive 26; Mismatches 51; Indels 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 7
US-10-055-877-206
US-10-055-877-206
Sequence 206, Application US/10055877
Publication No. US20050288241A1
GENERAL INFORMATION:
APPLICANT: Decriatofaxo, Marc
APPLICANT: Padigaru, Muralidhara
APPLICANT: Miller, Charles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT ORGANISM: Hemitripterus americanus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     188 GWNDVICETRRNSICEM 204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        149 -WDDLPCPASHKSVCAM 164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Tchernev, Velizar
Zhong, Mei
Anderson, David
Ballinger, Robert
                                                | : :|:
528 CGSSYPWVCK 537
                                                                                                                                                                                                                                                                                                                                                                                    194 CETRRNSICE 203
; ORGANISM: Mus musculus
US-11-152-697-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-11-071-259-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 9
                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                APPLICANT: Shewart, Timothy A.
APPLICANT: Stewart, Timothy A.
APPLICANT: Stewart, Timothy A.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SAME
TITLE OF INVENTION: SAME
FILE REFERENCE: 38970-3330R1C30C1
CURRENT APPLICANTON NUMBER: US/10/973,115B
CURRENT APPLICANTON NUMBER: US/10/22,747
PRIOR FILING DATE: 2002-05-14
PRIOR FILING DATE: 2000-06-12-01
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 1999-05-25
PRIOR FILING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 3, Application US/11152697
Publication No. US20060003367A1
GENERAL INFORMATION
GENERAL INFORMATION: Squibb Company
TITLE OF INVENTION: POLYNUCLECTIDES ENCODING A NOVEL HUMAN KUPFFER CELL RECEPTOR
TITLE OF INVENTION: PROTEIN, BGS-18
FILE REFERENCE: DO242 NP
CURRENT APPLICATION NUMBER: US/11/152,697
CURRENT FILING DATE: 2005-06-14
PRIOR FILING DATE: 2004-06-15
NUMBER OF SEQ ID NOS: 63
SSOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   79 CPASWKGFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFL 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      139 G-----LSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHS--AEQCASIVFWKPTGWGWN 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            224 GLRAVRHIGKVQG---YQWVDGV--SLSFSHWNQGEPNDAWGRENCVMMLH---TGL-WN 274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   49; Indels 19; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16.4%; Score 190.5; DB 6; Length 293; 33.6%; Pred. No. 2.9e-11; tive 21; Mismatches 49; Indels 19
                                                                  Godowski, Paul
Gurney, Austin L.
Sherwood, Steven
Smith, Victoria
Stewart, Timothy A.
Tumas, Daniel
                     Gerritsen, Mary E.
Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | |:::: |||
275 DAPCDSEKDGWICE 288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               191 DVICETRRNS-ICE 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 33.00.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo sapiens
US-10-973-115B-422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 3
LENGTH: 548
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-11-152-697-3
                                                                                             APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ద
```

はないのますした

```
Sequence 209, Application US/10055877 Publication No. US20050288241A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Shenoy, Suresh
                                                                                                                                                                                                                                                                                                                                                                                                       Mezes, Peter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pena, Carol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-055-877-209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              54 LSELHSYHSSLTCFSEGTKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAH 113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 50 LMSLLLYQRTLCCGSKGFMCSQCSRCPNLWMRNGSHCYYFSMEKRDWNSSLKFCADKGSH 109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    114 LVVFNTEAEQNFIVQQLNESFSYFLGLSDPQGNNNWQWIDKTPYEKNVRFWHLGEPNHSA 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Boldog, Ference
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
FILE REFERENCE: 21402-251
CURRENT APPLICATION NUMBER: US/10/055,877
CURRENT FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: 60/262,892
PRIOR FILING DATE: 2001-01-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 14.4%; Score 167.5; DB 6; Length 188; Best Local Similarity 28.7%; Pred. No. 3.2e-09; Matches 43; Conservative 21; Mismatches 71; Indels 15; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 512 SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                174 EQCASIVFWKPTGWGWNDVICETRRNSICE 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        160 OKCGTI----HRCGLHASSCEVALQWICE 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: 60/263,598
PRIOR FILING DATE: 2001-01-23
PRIOR PAPLICATION NUMBER: 60/263,799
PRIOR FILING DATE: 2001-01-24
PRIOR FILING DATE: 2001-01-24
PRIOR FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: 60/264,117
PRIOR PELING DATE: 2001-01-25
PRIOR PELING DATE: 2001-01-25
PRIOR PELING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 60/264,478
PRIOR PELING DATE: 2001-01-26
PRIOR PELING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-03
PRIOR PELING DATE: 2001-03-02
PRIOR PELING DATE: 2001-03-02
PRIOR PELING DATE: 2001-03-02
PRIOR PELING DATE: 2001-03-14
                                                                                                                                                                                                                                                                                                                                    Vernet, Corine
Taupier Jr., Raymond
Pena, Carol
                                                                                                                                                                                                                                                            Baumgartner, Jason
Shimkets, Richard
Gusev, Vladimir
                                                                                                                                                                        Patturajan, Meera
Burgess, Cahterine
       Spytek, Kimberly
Ratelli, Luca
Kekuda, Ramesh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ) ORGANISM: Rattus norvegicus
US-10-055-877-206
                                                                            Guo, Xiaojia
Zerhusen, Bryan
Andrew, David
                                                                                                                                                                                                                                                                                                                                                                                                       Shenoy, Suresh
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Casman, Stacie
                                                                                                                                                                                                                Eisen, Andrew
                                                                                                                                                                                                                                             Wolenc, Adam
                                                                                                                                                  Peter
                                                                                                                                                    чеzев,
                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
APPLICANT:
                                                                            APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                     APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                        APPLICANT
                                                                                                                                                                                                                                                                                                                                    APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠ
```

RESULT

25 QQKSSSKPSCSCL----VAITLGLLTA--VLLSVLLYQWI------LCQGSNYSTCA 70 5 QOPOSTEKRGWLSLRLWSVAGISIALLSACFIVSCVVTYHFTYGETGKRLSELHSYHSSL 64 APPLICANT: Casman, Stacie APPLICANT: Boldog, Ference TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 512 SOFTWARE: PatentIn Ver. 2.1 38; Query Match
14.2%; Score 166; DB 6; Length 189;
Best Local Similarity 25.1%; Pred. No. 4.5e-09;
Matches 50; Conservative 37; Mismatches 74; Indels TILLE OF LINGBILLON NOWBER: US/10/055,877
CURRENT APPLICATION NUMBER: US/10/055,877
CURRENT FILING DATE: 2002-01-22
PRIOR PELLING DATE: 2001-01-19
PRIOR FILING DATE: 2001-01-19
PRIOR PELLING DATE: 2001-01-23
PRIOR PELLING DATE: 2001-01-24
PRIOR PELLING DATE: 2001-01-24
PRIOR PELLING DATE: 2001-01-24
PRIOR PELLING DATE: 2001-01-25
PRIOR PELLING DATE: 2001-01-25
PRIOR PELLING DATE: 2001-01-25
PRIOR PELLING DATE: 2001-01-25
PRIOR PELLING DATE: 2001-01-25
PRIOR PELLING DATE: 2001-01-26
PRIOR PELLING DATE: 2001-01-26
PRIOR PELLING DATE: 2001-01-30
PRIOR PELLING DATE: 2001-01-30
PRIOR PELLING DATE: 2001-01-30
PRIOR PELLING DATE: 2001-03-02
PRIOR PELLING DATE: 2001-03-02
PRIOR PELLING DATE: 2001-03-02
PRIOR PELLING DATE: 2001-03-02
PRIOR PELLING DATE: 2001-03-02
PRIOR PELLING DATE: 2001-03-02
PRIOR FILLING DATE: 2001-03-02
PRIOR FILLING DATE: 2001-03-02
PRIOR FILLING DATE: 2001-03-14 APPLICANT: DeCristofaro, Marc APPLICANT: Miller, Charles APPLICANT: Miller, Charles APPLICANT: Tchernev, Velizar APPLICANT: Zhong, Mei APPLICANT: Anderson, David APPLICANT: Ballinger, Robert APPLICANT: Spytek, Kimberly Vernet, Corine Taupier Jr., Raymond Wolenc, Adam Baumgartner, Jason Shimkets, Richard Gusev, Vladimir Patturajan, Meera Burgess, Cahterine Eisen, Andrew Ratelli, Luca Kekuda, Ramesh Guo, Xiaojia Zerhusen, Bryan Andrew, David Š g

g

δ 요

셤 8

```
APPLICANT: Shenoy, Suresh
APPLICANT: Shenoy, Suresh
APPLICANT: Li, Li
APPLICANT: Casman, Stacie
APPLICANT: Casman, Stacie
APPLICANT: Casman, Stacie
APPLICANT: Casman, Stacie
APPLICANT: Casman, Stacie
APPLICANT: Casman, Stacie
APPLICANTON NOWER: US/10/055,877
CURRENT PILING DATE: 2002-01-22
PRIOR PILING DATE: 2001-01-3
PRIOR FILING DATE: 2001-01-3
PRIOR FILING DATE: 2001-01-3
PRIOR FILING DATE: 2001-01-3
PRIOR FILING DATE: 2001-01-3
PRIOR FILING DATE: 2001-01-3
PRIOR FILING DATE: 2001-01-3
PRIOR FILING DATE: 2001-01-3
PRIOR FILING DATE: 2001-01-3
PRIOR FILING DATE: 2001-01-3
PRIOR FILING DATE: 2001-01-3
PRIOR FILING DATE: 2001-01-3
PRIOR FILING DATE: 2001-01-3
PRIOR FILING DATE: 2001-01-3
PRIOR FILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-01-3
PRIOR PILING DATE: 2001-03-04
PRIOR PILING DATE: 2001-03-04
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     83 WKSFGSSCYFISSBEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFLGLSD 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             143 POGINNIMOWIDKTPYEKNVRFWHLGEPNHSABOCASIVFWKPTGWGWNDVICETRRNSIC 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          136 -RNNSGWRWEDGSP----LNFSRISS-NSFVQTCGAI-----NKNGLQASSCEVPLHWVC 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23 VAGISIALLSACFIVSCVVTYHFTYGETGKRLSELHSYHSSLTCFSEGTKVPAWGCCPAS 82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                38 LVAIALGLLTA--VLLSVLLYQWI-----LCQGSNYSTCASCPS------CPDR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13.8%; Score 160.5; DB 6; Length 189; 24.9%; Pred. No. 1.6e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IndelB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           37; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 208, Application US/10055877; Publication No. US20050288241A1; GENERAL INFORMATION:
Shimkets, Richard
Gusev, Vladimir
Vernet, Corine
Taupier Jr., Raymond
Pena, Carol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: DeCristofaro, Marc
APPLICANT: Padigaru, Muralidhara
APPLICANT: Miller, Charles
APPLICANT: Tcherney, Velizar
APPLICANT: Zhong, Mei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               45; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
Matches 45; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       K 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           203 E 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-055-877-208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-055-877-207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           185
                                                                                                                    APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 2, Application US/11152697

Sublication No. US2006000336741

GENERAL INFORMATION:

APPLICANT: Bristol-Myers Squibb Company

APPLICANT: Bristol-Myers Squibb Company

TITLE OF INVENTION: PROTEIN, BGS-18

TITLE OF INVENTION: PROTEIN, BGS-18

FILE REFERENCE: DO242 NP

CURRENT APPLICATION NUMBER: US/11/152,697

CURRENT FILING DATE: 2005-06-14

PRIOR FILING DATE: 2004-06-15

NUMBER OF SEQ ID NOS: 63

SOFTWARE: Patentin version 3.2

LENGTH: 492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              83 WKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSYFLGLSD 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TCFSEGTKVPAWGCCPASWKSFGSSCYFISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQN 124
                                                                                                            71 SCPS------CPDRWMKYGNHCYYFSVEEKDWNSSLEFCLARDSHLLVITDNQEMS 120
                                                                                                                                                                                             125 FIVOQINESFSYFLGLSDPOGNNNWOWIDKTPYEKNVRFWHLGEPNHSAEQCASIVFWKP 184
                                                                                                                                                                                                                                             121 LLQVFLSEAFCW-IGL---RNNSGWRWEDGSP----LNFSRISS-NSFVQTCGAI---- 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14.0%; Score 163.5; DB 7; Length 492; 40.0%; Pred. No. 2.3e-08; tive 17; Mismatches 27; Indels 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 207, Application US/10055877
Publication No. US20050288241A1
GENERAL INPORMATION:
APPLICANT: DeCristofaro, Marc
APPLICANT: Padigaru, Muralidhara
APPLICANT: Tchernev, Velizar
APPLICANT: Zhong, Mei
APPLICANT: Application David
APPLICANT: Application David
APPLICANT: Ratellinger, Robert
APPLICANT: Spytek, Kimberly
APPLICANT: Ratelli, Luca
APPLICANT: Kekuda, Ramesh
APPLICANT: Kekuda, Ramesh
APPLICANT: Governow David
APPLICANT: Governow David
APPLICANT: Governow David
APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICA
                                                                                                                                                                                                                                                                                                                                                                                                  185 TGWGWNDVICETRRNSICE 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Patturajan, Meera
Burgess, Cahterine
Bisen, Andrew
Wolenc, Adam
Baumgartner, Jason
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           471 RGTEGSWRWTDGTPF 485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       143 POGNNNWQWIDKTPY 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 40.0%
Matches 30; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Zerhusen, Bryan
Andrew, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Andrew, Day
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Homo sapiens
US-11-152-697-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -10-055-877-207
                                            65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT
```

g

ઠે 셤 ò San San San San

```
96 EEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESFSY-FLGLSDPQGNNNWQWIDK 154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US/09/964,956

PRIOR PILING DATE: 2001-09-26

PRIOR PILING DATE: 2001-09-26

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-28

PRIOR PLING DATE: 2000-09-28

PRIOR PLING DATE: 2000-10-08

PRIOR PLING DATE: 2000-10-08

PRIOR PLING DATE: 2000-10-08

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06

PRIOR PLING DATE: 2000-10-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Description of Artificial Sequence: Lectin C-type OTHER INFORMATION: domain Consensus Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   155 TPYEKNVRFWHLGEPNH--SAEQCASIVFWKPTGWGWNDVICETRRNSICE 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Shimkets, Richard A IIILE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
13.4%; Score 156; DB 6; Length 107;
Best Local Similarity 32.4%; Pred. No. 2.3e-08;
Matches 36; Conservative 18; Mismatches 49; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/877,346 CURRENT FILING DATE: 2004-06-25
                                                                                                                                RESULT 12
US-10-877-346-70
IS-10-877-346-70
; Sequence 70, Application US/10877346
; Publication No. US20060014153A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Burgess, Catherine E
Padigaru, Muralidhara
Kekuda, Ramesh
Spytek, Kimberly A
                                                                                                                                                                                                                                                                                                    MacDougall, John R
Smithson, Glennda
Millet, Isabelle
Stone, David
Gunther, Erik
Ellerman, Karen
Grosse, William M
Alsobrook II, John P
Lepley, Denise M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                             APPLICANT: Gerlach, Valerie L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Leach, Martin D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILE REFERENCE: 21402-124
203 E 203
                                                    185 K 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-877-346-70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 70
LENGTH: 107
                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                          APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     79 WMKYGNHCYYFSVEEKDWNSSLEPCLARDSHLLVITDNQEMSLLQVFLSEAFCW-IGL-- 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WKSFGSSCYFISSEEKVWSKSEONCVEMGAHLVVFNTEAEONFIVOOLNESFSYFLGLSD 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           143 POGNNNWQWIDKTPYEKNVRFWHLGEPNHSAEQCASIVFWKPTGWGWNDVICETRRNSIC 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23 VAGISIALLSACFIVSCVVTYHFTYGETGKRLSELHSYHSSLTCFSEGTKVPAWGCCPAS 82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        38 LVAIALGLLTA--VLLSVLLYQWI-----LCQGSNYSTCASCPS-----CPDR 78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE: 2001-01-29
PRIOR FILING DATE: 2001-01-24
PRIOR FILING DATE: 2001-01-24
PRIOR APPLICATION NUMBER: 60/264,17
PRIOR APPLICATION NUMBER: 60/264,117
PRIOR PILING DATE: 2001-01-25
PRIOR FILING DATE: 2001-01-26
PRIOR PILING DATE: 2001-01-26
PRIOR PELING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 60/264,478
PRIOR APPLICATION NUMBER: 60/263,351
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-03-03
PRIOR PILING DATE: 2001-03-04
PRIOR PILING DATE: 2001-03-04
PRIOR PILING DATE: 2001-03-04
PRIOR PILING DATE: 2001-03-04
PRIOR PILING DATE: 2001-03-04
PRIOR APPLICATION NUMBER: 60/275,990
PRIOR PILING DATE: 2001-03-14
PRIOR PILING DATE: 2001-03-14
PRIOR FILING DATE: 2001-03-14
PRIOR FILING DATE: 2001-03-14
PRIOR FILING DATE: 2001-03-14
PRIOR FILING DATE: 2001-03-14
PRIOR FILING DATE: 2001-03-14
PROMER OF SEQ ID NOS: 512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : Novel Polypeptides and Nucleic Acids Encoded Thereby
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels 33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 13.8%; Score 160.5; DB 6; Length 195; Best Local Similarity 24.9%; Pred. No. 1.6e-08; Matches 45; Conservative 37; Mismatches 66; Indels 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: 21402-251
CURRENT APPLICATION NUMBER: US/10/055,877
CURRENT FILING DATE: 2002-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: 60/262,892
PRIOR FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: 60/263,598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Vernet, Corine
Taupier Jr., Raymond
Pena, Carol
                                                                                                                                                                                                                                                                                Patturajan, Meera
Burgess, Cahterine
Eisen, Andrew
Wolenc, Adam
                                                                                                                                                                                                                                                                                                                                                                                                  Baumgartner, Jason
                                                                                                                                                                                                                                                                                                                                                                                                                          Shimkets, Richard
Gusev, Vladimir
                             Ballinger, Robert
Gerlach, Valerie
Spytek, Kimberly
                                                                                                                                                                                              Zerhusen, Bryan
Andrew, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Boldog, Ference
TITLE OF INVENTION: Novel P
                                                                                                               Ratelli, Luca
Kekuda, Ramesh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Shenoy, Suresh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Casman, Stacie
                                                                                                                                                                                                          Andrew, Dave
                                                                                                                                                                    Guo, Xiaojia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ) ORGANISM: Homo sapiens
US-10-055-877-208
                                                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                                             APPLICANT:
APPLICANT:
                                                                                                                                                                    APPLICANT
                                                                                                                                                                                                    APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT
```

g

ò g

ઠે 셤 ઠે

```
150 QFYKDSKSWEDCKYFCLSENSTMLKINKQEDLEFAASQSYSEFFYSYWTGLLRPDSGKAW 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       90 EERLGNTSQELQSLQVQNIKLAGSLQHVAEKLCRELYNKAGAHRCSPCTEQWKWHGDNCY 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            92 FISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESF--SYFLGLSDPQGNNNW 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               34 EPRRTEHRAPSS--TW--RPVALTLITLCLVLLIGLAALGLIFFQYYQLSNTGQDTISQM 89
                                    ---NGMIFSKDCKELKRCVCE 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     150 QWIDKTPYEKNVRFWHLGEPNHSAEQCASIVFWKPTGWGWNDVI----CETRRNSICE 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       210 LWANDGTPFTSELFHIIDVTSPRSRDCVAIL-----NGMIFSKDCKELKRCVCE 258
150 QWIDKTPYEKNVRFWHLGEPNHSAEQCASIVFWKPTGWGWNDVI----CETRRNSICE 203
                                                                                                                                                                                                                                                               APPLICANT: Jacobs, Kenneth
APPLICANT: McCoy, John M
APPLICANT: Lavalie, Edward R
APPLICANT: Racie, Lisa A
APPLICANT: Racie, Lisa A
APPLICANT: Recey, Mauric
APPLICANT: McDerg, David
APPLICANT: Mcrberg, David
APPLICANT: Spaulding, Vikki
APPLICANT: Tracy, Mauric
APPLICANT: TILE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM FILE REPREBRUE: 00766.000991.10
CURRENT APPLICATION NUMBER: 128/10/689,742
CURRENT FILING DATE: 2003-10-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    48 ----GETGKRLSELHSYHSSLT------CFSEGTKVPAWGC--CPASWKSFGSSCY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 13.0%; Score 151.5; DB 6; Length 280; Best Local Similarity 21.0%; Pred. No. 1.9e-07; Matches 50; Conservative 34; Mismatches 101; Indels 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6 OPOSTEKRGWLSLRLWSVAGISIALLSACFI----VSCVVTYHFTY
                                    210 LWMDGTPFTSELFHIIIDVTSPRSRDCVAIL-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 458, Application US/10973115B Publication No. US20060040351A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 09/746,783
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 231
SOFTWARE: Patentin version 3.2
LENGTH: 280
                                                                                                                                                                                     Sequence 160, Application US/10689742; Publication No. US20050250180A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Desnoyers, Luc
Filvaroff, Ellen
Gao, Wei-Quiang
Gerritsen, Mary E.
Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Smith, Victoria
Stewart, Timothy A.
Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Watanabe, Colin K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Godowski, Paul
Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sherwood, Steven
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-973-115B-458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-689-742-160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a
  ð
                                                   요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Zhang, Zemin
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILLS OF INVENTION: ACIDS ENCODING THE SAME
FILLS OF INVENTION: ACIDS ENCODING THE SAME
FILLS OF INVENTION NUMBER: US/10/131,826A
CURRENT APPLICATION NUMBER: US/10/131,826A
CURRENT FILLING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/049911
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILLING DATE: 1997-09-19
PRIOR FILLING DATE: 1997-09-19
PRIOR FILLING DATE: 1997-09-19
PRIOR FILLING DATE: 1997-09-19
PRIOR FILLING DATE: 1997-09-19
PRIOR FILLING DATE: 1997-09-19
PRIOR FILLING DATE: 1997-09-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   90 EERLGNTSQELQSLQVQNIKLAGSLQHVAEKLCRELYNKAGAHRCSPCTEQWKWHGDNCY 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         92 FISSEEKVWSKSEQNCVEMGAHLVVFNTEAEQNFIVQQLNESF--SYFLGLSDPQGNNNW 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           150 QFYKDSKSWEDCKYFCLSENSTMLKINKQEDLEFAASQSYSEFFYSYWTGLLRPDSGKAW 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6 OPOSTEKRGWLSLRLWSVAGISIALLSACFI----VSCVVTYHFTY-------47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          34 EPRRTEHRAPS--TW--RPVALTLLTLCLVLLIGLAALGLLFFQYYQLSNTGQDTISQM 89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                48 ----GETGKRLSELHSYHSSLT------CFSEGTKVPAWGC--CPASWKSFGSSCY 91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13.0%; Score 151.5; DB 6; Length 280; 21.0%; Pred. No. 1.9e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               34; Mismatches 101; Indels
                                                                                                      Application US/10131826A
o. US20050245730A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Stewart, Timothy A. Tumas, Daniel
                                                                                                                                                                                                                                                                                                                          Gao, Wei-Qiang
Gerritsen, Mary E.
Goddard, Audrey
                                                                                                                                                                                     APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Watanabe, Colin K
                                                                                                                                                                                                                                                                                                                                                                                                            Godowski, Paul J.
Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 21.0%
Matches 50; Conservative
                                                                                                                                                                                                                                                                          Desnoyers, Luc
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sherwood, Steven
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo Sapien
                                                                                                           Sequence 458, Applic
Publication No. US2C
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-131-826A-458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT
```

d ઠે g ઠે

ઠે

Gaps

```
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODIN
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODIN
TITLE OF INVENTION: SERRE
FILE OF INVENTION: SAME
FILE REFERENCE: 39870-3330R1C300C1
CURRENT APPLICATION NUMBER: US 10/145,747
PRIOR PLING DATE: 2004-10-22
PRIOR PLING DATE: 2004-12-19
PRIOR PLING DATE: 2000-12-19
PRIOR PLING DATE: 2000-12-01
PRIOR APPLICATION NUMBER: US 09/581,742
PRIOR PLING DATE: 2000-03-02
PRIOR PLING DATE: 2000-03-02
PRIOR PLING DATE: 2000-03-02
PRIOR PLING DATE: 1999-03-05
PRIOR PLING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                90 BERLGNTSQELQVQNIKLAGSLQHVAEKLCRELYNKAGAHRCSPCTEQWKWHGDNCY 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 150 QFYKDSKSWEDCKYFCLSENSTMLKINKQEDLEFAASQSYSEFFXSYWTGLLRFDSGKAW 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       92 FISSEEKVWSKSEONCVEMGAHLVVFNTBAEONFIVOOLNESF--SYFLGLSDPOGNNNW 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ----GETGKRLSELHSYHSSLT------CFSEGTKVPAWGC--CPASWKSFGSSCY 91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   QWIDKTPYEKNVRFWHLGEPNHSAEQCASIVFWKPTGWGWNDVI----CETRRNSICE 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       53; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
13.0%; Score 151.5; DB 6; Length 280;
Best Local Similarity 21.0%; Pred. No. 1.9e-07;
Matches 50; Conservative 34; Mismatches 101; Indels 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6 QPQSTEKRGWLSLRLWSVAGISIALLSACFI----VSCVVTYHFTY-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CRGANISM: Homo sapiens US-10-973-1158-458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
```

Search completed: March 28, 2006, 08:40:39 Job time : 77 secs Sequence Sequence Sequence Sequence 4090, Ap 3, Appli 3, Appli 9, Appli 733, App 9, Appli 1, Appli 11, Appli

Sequence Sequence Sequence Sequence Sequence Sequence

Sequence 3 Sequence 3 Sequence 1

Sequence Sequence

Sequence Sequence Sequence Sequence 3 Sequence 3 Sequence 3

Sequence

40, Appl 1, Appli 4091, Ap

Sequence 1

Sequence

Sequence Sequence Sequence Sequence Sequence

Sequence 3, Appli Sequence 854, App

Sequence

Title: Perfect score:

Sequence:

OM protein

Run on:

Scoring table:

Searched:

```
GENERAL INFORMATION:
APPLICANT: Aritzumi, Kiyoshi
APPLICANT: Takashima, Akira
APPLICANT: Takashima, Akira
TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
TITLE OF INVENTION: THEREOF
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/772,440
FLING DATE: CONCURRENTLY HEREWITH
CLASSIFICATION: 435
ATTONEY/AGENT INPOMFATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
RESPERNCE/POCKET UNBER: UTXD:493
TELECOMMULICATION INPORMATION:
TELEPHONE: 512/418-3000
US-09-907-794A-376
US-09-905-125A-376
US-09-906-703-376
US-09-906-700-376
US-09-906-700-376
US-09-906-700-376
US-09-906-708-376
US-09-906-708-376
US-09-906-708-376
US-09-906-708-376
US-09-906-708-376
US-09-906-72A-376
US-09-906-72A-376
US-09-906-72A-376
US-09-906-72A-376
US-09-906-72A-376
US-09-906-72A-376
US-09-906-72A-376
US-09-906-72A-376
US-09-906-72A-376
US-09-906-72A-376
US-09-906-72A-376
US-09-906-72A-376
US-09-906-73B-778
US-09-906-73B-778
US-09-906-73B-778
US-09-906-73B-778
US-09-91-435-9
US-09-91-435-9
US-09-91-435-10
US-09-91-435-10
US-09-91-435-10
US-09-91-435-10
US-09-91-435-10
US-09-91-435-10
US-09-91-435-10
US-09-91-435-10
US-09-91-435-10
US-09-91-435-10
US-09-91-435-10
US-09-781-1186
US-09-781-1186
US-09-781-1185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 3, Application US/08772440 ; Patent No. 6046158
    ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy (
COMPUTER: IBM PC com
                                                                                                                                                                                                                                                                                                                                                                                                                            221.5
220.2
200.2
200.2
200.1
200.1
199.9
199.7
199.1
199.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Houston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Texas
: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: Te
  3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
3998.5
39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 1
US-08-772-440-3
                                                                                                                                                                                                                                                                                                                                                                                                                                              247
235
235
235
234
234
229
229
200
200
194
195
      Command line parameters:
-MODEL=frame+_p2n.model -DEV=xlp
-O=/ shes/ABSSWEB_spool/US09766511/runat_28032006_082132_3855/app_query.fasta_1
-O=/ shes/ABSSWEB_spool/US09766511/runat_28032006_082132_3855/app_query.fasta_1
-DB=Issued_PatenTs_NA -QFMT=fastap -SUFFTX=rni -MINMATCH=0.1 -LGOPCL=0
-LGOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62 -TRANS=numan40.cdi
-LIST=45 -DOCALIGN=200 -THR_SCORE=pct -THR_MAX=100 -THR_MIN=0 -ALIGN=15
-NODE=LCOAL -QUINTN==pct -NOFM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-HOST=abss05p -USER=US09766511 @CGN = 1 1 290 @runat_28032006_082132_3955
-NCPU=6 -ICPU=3 -NO MMAP -NEG $GCNES=0 -MAIT_-DSPBLOCK=100 -LONGLOG
-DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20, Appl
Sequence 22, Appl
Sequence 1, Appli
Sequence 1, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 120, App
Sequence 7, Appli
Sequence 7, Appli
Sequence 51, Appli
                                                                                                                                               March 28, 2006, 09:56:35 ; Search time 178 Seconds (without alignments) 2087.137 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 3, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Description
                                                                                                                                                                                                                                                              1165
1 MMQEQQPQSTEKRGWLSLRL......NDVICETRRNSICEMNKIYL
                       GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     seued_Patents_NA:*

'cgn2_6/ptodata/1/ina/1_COMB.seq:*

'cgn2_6/ptodata/1/ina/5_COMB.seq:*

'cgn2_6/ptodata/1/ina/6A_COMB.seq:*

'cgn2_6/ptodata/1/ina/6B_COMB.seq:*

'cgn2_6/ptodata/1/ina/H_COMB.seq:*

'cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

'cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

'cgn2_6/ptodata/1/ina/PCOMB.seq:*

'cgn2_6/ptodata/1/ina/PP_COMB.seq:*

'cgn2_6/ptodata/1/ina/RE_COMB.seq:*

'cgn2_6/ptodata/1/ina/RE_COMB.seq:*
                                                                                                          nucleic search, using frame_plus_p2n model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-772-440-3
US-08-772-440-20
US-08-772-440-22
US-09-111-470-1
US-09-862-802A-1
US-09-949-002-120
US-09-1470-7
US-09-862-802A-7
US-09-862-802A-7
US-09-862-802A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1303057 segs, 888780828 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        summaries
                                                                                                                                                                                                                                                                                                                                                         0.5
                                                                                                                                                                                                                                                                                                                             BLOSUM62
Xgapop 10.0 , Xgapext
Ygapop 10.0 , Ygapext
Fgapop 6.0 , Fgapext
Delop 6.0 , Delext
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Minimum Match 0%
Maximum Match 100%
Listing first 45 su
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                         US-09-766-511B-53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1104
1104
1271
1418
1418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query
Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             668.3
399.3
399.3
377.4
8.4
9.6
9.6
9.7
9.6
9.6
9.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Post-processing:
```

Database

2 2 4 5 9 7 8 9

Result No.

```
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-772-440-20
Sequence 20, Application US/08772440
Sequence 20, Application US/08772440
Sequence 20, Application US/08772440
Sequence 20, Application US/08772440
Sequence 20, Application:
APPLICANT: Takashima, Akira
TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
TITLE OF INVENTION: THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           117 PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyr 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     553
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TTCAGTCAAAATGTCAGGTTCTGGCACCCCATGAACCCAATCTTCCAGAAGAGCGGTGT 673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       177 AlaSerileValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThr 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       253
                                                                                                                                                                                                                                                                               146 Argergeaggaaagacaarccaaggg------aagggagrergerge---accerg 193
                                                                                                                                                                                                                                                                                                           38
                                                                                                                                                                                                                                                                                                                                                              28
                                                                                                                                                                                                                                                                                                                                                                                                                 9/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGlu 96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PheLeuGlyLeuSexAapProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro
                                                                                                                                                                                                                                                                                                           ArgieuTrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSer
                                                                                                                                                                                                                                                                                                                         CysValValThrTyrHisPheThrTyrGlyGluThrGlyLyBhrgLeuSerGluLeuHis
                                                                                                                                                                                                                                                                                                                                                                                                                 SerTyrHisSerSerLeuThrCysPheSerGluGlyThrLysVal-----ProAlaTrp
                                                                                                                                                                                                                                                                                                                                                                                                                                97 GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Trecressicitressaticeacaassiaarisseaarissatissatissatistataereer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCys
                                                                                                                                                                                                                                                        MetMetGlnGluGlnGlnProGlnSerThrGluLysArgGly-----TrpLeuSerLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                              US-09-766-511B-53 (1-209) x US-08-772-440-3 (1-1227)
                                                                                                                                                                                                      Gaps:
TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1227 base pairs
TYPE: nucleic acid
STRANDEDNESS: aingle
TOPOLOGY: linear
                                                                                                                                 3.25e-81
793.00
77.0%
68.1%
68.1%
                                                                                                                                                             Percent Similarity:
Best Local Similarity:
                                                                                                                      Alignment Scores:
Pred. No.:
                                                                                             US-08-772-440-3
                                                                                                                                                                                                                                                         н
                                                                                                                                                                                                                                                                                                            19
                                                                                                                                                                                                                                                                                                                                                                39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           554
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     157
                                                                                                                                                                                                                                                                                                                                                                                                                   59
                                                                                                                                                                                       Query Match:
                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ठ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                            ઢ
                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                    ò
```

```
GlnAsnPheileValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeuSerAsp 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ccacaaggraarggcaaarggcaarcgargaracrccrrrcagrcaaaargrcagg 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAlaSerIleValPheTrp 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           rrcrescaccccardaacccaarrcrrccagaagagcggrgrgrrrcaaragrrracres 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LysProThrGlyTrpGlyTrpAsnAspVallleCysGluThrArgAsgAsnSerlleCys 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61 ACCTGCTTCAGTGAAGGGACTATGCTGTCAGAAAAATGTGGGGAATGCTGCCCAAATCAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         83 TrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTrpSerLys 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsnValArg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       65 ThrCysPheSerGluGlyThrLysVal-----ProAlaTrpGlyCysCysProAlaSer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGluAlaGlu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      45 PheThrTyrGlyGluThrGlyLysArgleuSerGluLeuHisSerTyrHisSerLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              501
118
14
2
                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: US/08/172,440 FILING DATE: CONCURRENTY HEREWITH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches:
Conservative:
Mismatches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-766-511B-53 (1-209) x US-08-772-440-20 (1-501)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                           CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTXD:493
TELECHONENICATION INFORMATION:
TELEPHONE: 512/418-3000
TELEFAX: 512/418-377
INFORMATION FOR SEQ ID NO: 20:
                                E: Arnold, White & Durkee P.O. Box 4433
                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.04e-68
679.00
79.0%
70.7%
58.3%
                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 501 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
NUMBER OF SEQUENCES: 4: CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Percent Similarity:
Best Local Similarity:
                                                                 CITY: Houston
STATE: Texas
COUNTRY: USA
                                                                                                                    77210
                                  ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
US-08-772-440-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 163
```

ò 엄

```
179 ilevalPheTrpLy8ProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArg 198
159 LygAsnvalArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCygAlaSer 178
                                                                                                                             241 CAAAATGTCAGGTTCTGGCACCCCATGAACCCAATCTTCCAGAAGAGCGGTGTTTCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Membrane Protein Genes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1104
83
34
66
4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
SUBPTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/111,470
FILING DATE: 08-JUL-1998
CLASSIFICATION NUMBER: US 60/053,080
FILING DATE: 09-JUL-1997
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REPERENCE/DOCKET NUMBER: SF0695
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative:
Mismatches:
Indels:
Gaps:
                                                                                                                                                                                               199 AsnSerIleCysGluMetAsnLysIleTyrLeu 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-766-511B-53 (1-209) x US-09-111-470-1 (1-1104)
                                                                                                                                                                                                                              361 AATTCAATATGTGAAATGAAGAAGATTTACCTA 393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length:
Matches:
                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Valladeau, Jenny
APPLICANT: Ravel, Odile
APPLICANT: Bates, Elizabeth E.M.
APPLICANT: Saeland, Sem
APPLICANT: Lebecque, Serge J.E.
TITLE OF INVENTION: Mammalian Membrane
TITLE OF SEVENTION: Related Reagents
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
                                                                                                                                                                                                                                                                                                                                                    ; Sequence 1, Application US/09111470 ; Patent No. 6277959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8.93e-43
458.00
62.6%
44.4%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1104 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        242..952
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                     RESULT 4
US-09-111-470-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-111-470-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match:
                                                                                                                                          셤
                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                 a
                                            ద
                                                                                                ઠે
                                                                                                                                                                                                                                         APPLICANT: Arizumi, Kiyoshi
APPLICANT: Takashima, Akira
TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
TITLE OF INVENTION: THEREOF
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      119 ThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeu 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   99 ValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsn 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 TTCTGGAGCACCCAGTGAGCAGAACTGTGTTCAGATGGGGGCTCATCTGGTGGTGATCAAT 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     121 ACTGAAGCGGAGCAGAATTTCATCACCCAGCAGCTGAATGAGTCACTTTCTTACTTCCTG 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GlyLeuSerAspProGlnGlyAsnAsnAsnArnTrpGlnTrp1leAspLysThrProTyrGlu 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    181 GGTCTTTCGGATCCACAAGGTAATGGCAAATGGCAATGGATCGATGATACTCCCTTTCAGT 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               79 CysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLys 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 TGCCCAAATCACTGGAAGTCATTTGGCTCCAGCTGCTACCTCATTTCTACCAAGGAGAAC 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
CCMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/772,440
FLING DATE: CONCURRENTLY HEREWITH
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: PATKET, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/POCKET UNMBER: 32,165
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   393
96
11
24
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-766-511B-53 (1-209) x US-08-772-440-22 (1-393)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length:
Matches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps:
                    GluMetAsnLysileTyrLeu 209
                                                 ||||||
481 GAAATGAAGAAGATTTACCTA 501
                                                                                                                                                                  Sequence 22, Application US/08772440 Patent No. 6046158 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO: 22: SEQUENCE CHARACTERISTICS: LENGTH: 393 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9.08e-56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     565.00
81.78
73.38
48.58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Alignment Scores:
Pred. No.:
                                                                                                                                          US-08-772-440-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-772-440-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match:
```

ઠે 셤 ઠે 셤 ò g ò

```
Alignment Scores:
Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               184
                                                                                                                                                                                                                                                                                                                                                                                                                   99
                                                                                                            Query Match:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                         В
                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             δ
                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1, Application US/09862802A

Sequence 1, Application US/09862802A

Sequence 1, Application US/09862802A

GENERAL INFORMATION:

APPLICANT: Valladeau, Jenny

APPLICANT: Bates, Elizabeth Ester Mary

APPLICANT: Bates, Elizabeth Ester Mary

APPLICANT: Lebecque, Serge J.E.

APPLICANT: Lebecque, Serge J.E.

APPLICANT: Saeland, Sem

TITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes; Related Reagents

TITLE OF INVENTION: 1201-05-22

PRIOR APPLICATION NUMBER: US 60/053,080

PRIOR PLING DATE: 1999-07-09

PRIOR FILING DATE: 1999-07-09

PRIOR PLING DATE: 1998-07-08

NUMBER OF SEQ ID NOS: 13

SOFTWARE: Patentin version 3.1

SEQ ID NO 1

FEMALE OF THE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      871
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               931
                                                                                                                                                                                                                                                                              103
                                                                                                                                                                                                                                                                                                                                                                          123
                                                                                                                                                                                                                                                                                                                                                                                                                     691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               144 GlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsnValArgPhe 163
                                                                                                                                                                                                                                  571
                                                                                                                                                                                                                                                                                                                            631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 751
                               452 AAATATTCTCAGCTTCTTGAAAAAAGACTACAAAAGAGCTGGTTCATACAACATTGGAG 511
  IleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysValValThrTyrHisPhe 45
                                                                                                                                                                                                                                                                                                                                                                                                  LysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTrpSerLysSer
                                                                                                                                                                                                                                                                                                        104 GluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGluAlaGluGln
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   124 AsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeuSerAspPro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAlaSerIleValPheTrpLys
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       46 ThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyrHisSerSerLeuThr
                                                                                                                                                                                       CysPheSerGluGlyThrLysVal -----ProAlaTrpGlyCysCysProAlaSerTrp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: mammalian nucleic acid and protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GluMetAsnLysileTyrLeu 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ) NAME/KEY: CDS
; LOCATION: (242)...(952)
; OTHER INFORMATION:
US-09-862-802A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -09-862-802A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             932
                                                                                                                                                                                         99
                                                                                                                                                                                                                                                                                   84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 872
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                       a
                                                                                                                                                                                                                              a
                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                           Š
                                                                                                                                                                                       ઠ
                                                                                                                                                                                                                                                                                                                                                                            ò
```

```
Sequence 120, Application US/09949002

Sequence 120, Application US/09949002

Sequence 120, Application US/09949002

Setent No. 690016

Setent No. 690016

Title OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMURE DISEASE, METHODS OF DETECTION

TITLE OF INVENTION: MITH INFLAMMATORY AUTOIMMURE DISEASE, METHODS OF DETECTION

TITLE OF INVENTION: AND USES THEREOF

FILE REFERENCE: CL000790

CURRENT APPLICATION NUMBER: 60/231,401

PRIOR FILING DATE: 2000-01-28

NUMBER OF SEQ ID NOS: 10823

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 120

LENGTH: 1271
                                                                                                                                                                                                                                                                                                                                                                                                                                                          84 LysSerPheGlySerSerCysTyrPhelleSerSerGluGluLysValTrpSerLysSer 103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             104 GluGlnAsnCysValGluMetGlyAlaHisLeuValValValPheAsnThrGluAlaGluGln 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    124 AsnPhelleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeuSerAspPro 143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              164 TronisLeuGlyGluProAsnHisSerAlaGluGlnCysAlaSerIleValPheTrpLys 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ---proThrGlyTrpGlyTrpAsnAspVallleCysGluThrArgArgAsnSerlleCys 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           631
                                                                                                                                                                                            26 ileSerIleAlaLeuLeuSerAlaCysPheIleValSerCysValValThrTyrHisPhe 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         46 ThrīyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyrHisSerSerLeuThr
                                                                                                                                                                                                                                                                                                                                                                          CysPheSerGluGlyThrLysVal ----ProAlaTrpGlyCysCysProAlaSerTrp
                                                                                                                                                                                                                                                                                                                                                                                                                 512 İGİGIGAAAAAAAATATGCCCGİĞGAAGAGACAĞCCİĞĞAGCİĞİİĞÇCCÄAAGAATİĞĞ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         144 GlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsnValArgPhe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            872 TCACCCAAAAGATGGGGCTGGAATGATGTTAATTGTCTTGGTCCTCAAAGGTCAGTTTGT
1104
83
34
66
                                                                                                                                                       US-09-766-511B-53 (1-209) x US-09-862-802A-1 (1-1104)
                                             Conservative:
Mismatches:
                           Matches:
                                                                                          Indels:
      Length:
                                                                                                            Gaps:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          203 GluMetAsnLysileTyrLeu 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   932 GAGATGATGAGATCCACTTA 952
      8.93e-43
                    458.00
62.68
44.48
39.38
                                             Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: DNA
; ORGANISM: Human
US-09-949-002-120
```

```
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/053,080
FILING DATE: 09-0UL-1997
ATTORNEY/AGBUT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFENCE/DOCKET NUMBER: SF0695
TELECOMMUNICATION INPORMATION:
TELEPHONE: (650)852-9196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4.45e-40
436.00
61.0%
39.9%
                                                                                                                                                                                                                                                                                         1418 base pairs
                                                                                                                                                                                                                                       TELEFAX: (650)496-1200
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: misc_feature
LOCATION: 1348
                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                              279..992
                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: CDNA FEATURE:
                                                                                                                                                                                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                             LOCATION:
                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                          LOCATION:
                                                                                                                                                                                                                                                                                      LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match:
DB:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         à
                                                                                                                                                                                                                                                                                                                                   103
                                                                                                                                                                                                                                                                                                                                                                 631
                                                                                                                                                                                                                                                                                                                                                                                                                                                         143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsnValArgPhe 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              183
                                                                                                                                                                                                                                                                                                                                                                                             GluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGluAlaGluGln 123
                                                                                                                                                                                                                                                                                                                                                                                                                            691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       751
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  rcacccaaaagaricegecreeaarearearerranterregreerecreaagerearer 931
                                                                                                                                                                               46 ThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyrHisSerSerLeuThr 65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTrpSerLysSer
                                                                                                                                                                                                                                                                                                                                                                                                                                                     124 AsnPhelleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeuSerAspPro
                                                                                                                                                                                                                                       452 AAATATTCTCAGCTTCTTGAAAAAAGACTACAAAAGAGCTGGTTCATACAACATTGGAG
                                                                                                                                                                                                                                                                   CysPheSerGluGlyThrLysVal-----ProAlaTrpGlyCysCysProAlaSerTrp
                                                                                                                                                                                                                                                                                           TrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAlaSerIleValPheTrpLys
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         812 TGGCATCCACGTGAGCCCAGTGATCCCAATGAGCGCTGCGTTGTGCTAAATTTTCGTAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ---ProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArgAsnSerIleCys
                                                                                                                                                  26 IleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysValValThrTyrHisPhe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Valladeau, Jenny
APPLICANT: Ravel, Odile
APPLICANT: Bates, Blizabeth E.M.
APPLICANT: Ford, John
APPLICANT: Sealand, Sem
APPLICANT: Lebecque, Serge J.E.
TITLE OF INVENTION: Mammalian Membrane Protein Genes,
TITLE OF INVENTION: Related Reagents
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
                                                                                                                      US-09-766-511B-53 (1-209) x US-09-949-002-120 (1-1271)
               Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                203 GluMetAsnLysileTyrLeu 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GAGATGATGAAGATCCACTTA 952
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 7, Application US/09111470
Patent No. 6277959
GENERAL INFORMATION:
1.11e-42
458.00
62.6%
44.4%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 901 Califorcia CITY: Palo Alto STATE: California COUNTRY: USA
                                             Percent Similarity:
Best Local Similarity:
   Alignment Scores:
Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-111-470-7
                                                                                                                                                                                                                                                                                                                                  84
                                                                                                                                                                                                                                                                                                                                                               572
                                                                                                                                                                                                                                                                                                                                                                                             104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    692
                                                                                                                                                                                                                                                                      99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      184
                                                                         Query Match:
DB:
                                                                                                                                                   ઠે
                                                                                                                                                                                                           8
                                                                                                                                                                                                                                         임
                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                         유
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ð
```

366 AGAGAGAAACCTAICCGIGAICTAAGAAAGCCTGGITCCCCCTCACTGCTTCTTACAICC 425 600 ccaaaggariggaggcrarirggricccacigcracriggricccacagrircricarca 659 98 LysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPhe 117 660 GCATCTTGGAACAAGAGAGAGAACTGCTCCCGCATGGGTGCTCATCTAGTGGTGATC 719 118 AsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPhe 137 62 SerSerLeuThrCysPheSerGluGlyThrLysVal-----ProAlaTrpGlyCysCys 79 80 ProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSer-----SerGluGlu 97 23 ValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysValValThr 42 3 GlnGluGlnGlnProGlnSerThrGluLygArgGlyTrpLeuSerLeuArgLeuTrpSer 43 TyrHisPheThrTyrGlyGlu---ThrGlyLysArgLeuSerGluLeuHisSerTyrHis 480 TATTTTCAAAAGTACTCTCAACTTCTTGAAGAAAAAAAGCTGCAAAAAATATAATGCAC 1418 85 45 73 10 , OTHER INFORMATION: /note= "poly-A addition motif" US-09-111-470-7 OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION ON WHERE: US/09/111,470
FILING DATE: 08-UUL-1998
CLASSIFICATION: Length:
Matches:
Conservative:
Mismatches: US-09-766-511B-53 (1-209) x US-09-111-470-7 (1-1418)

61

φ

```
138 LeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyr 157
                                                                                                                                                                                                                                                                                                                                                                                                                            896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  178 SerileValPhe---TrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThr 196
                                                                                                                                                      98 LysvalrrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPhe 117
                                                                                                                                                                                                                                118 AsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPhe 137
                                                                                                                                                                                                                                                                                                                                                836
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23 ValAlaGlyIleSerIleAlaLeuLeuSerAlaCyBPheIleValSerCyBValValThr 42
                            660 GCATCTTGGAACAAGAGTGAGAACTGCTCCCGCATGGGTGCTCATCTAGTGGTGATC
                                                                                                                                                                                                                                                        158 GluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAla
                                                                                                                                                                                                                                                                                                                                                                                                                  62 SerSerLeuThrCysPheSerGluGlyThrLysVal-----ProAlaTrpGlyCysCys
                                                                              80 ProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSer----SerGluGlu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2076
77
39
65
10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SS4 AAACAGAAGICAGITIGICAGAIGAAGAAAATAAACITA 992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                197 ArgArgAsnSerIleCysGluMetAsnLysIleTyrLeu 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length:
Matches:
Conservative:
Mismatches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-766-511B-53 (1-209) x US-09-489-847-51 (1-2076)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: 98 Human Secreted Proteins
TITLE OF INVENTION: 98 Human Secreted Proteins
FILE REPERENCE: PSO31P1
CURRENT APPLICATION NUMBER: US/09/489,847
CURRENT PILING DATE: 2000-01-24
EARLIER PILING DATE: 1999-07-29
EARLIER FILING DATE: 1999-07-29
EARLIER FILING DATE: 1998-07-29
EARLIER FILING DATE: 1998-07-30
EARLIER FILING DATE: 1998-06-55
EARLIER PILING DATE: 1998-06-55
EARLIER PILING DATE: 1998-08-05
EARLIER PILING DATE: 1998-08-05
EARLIER PILING DATE: 1998-08-05
EARLIER APPLICATION NUMBER: 60/096,455
EARLIER PILING DATE: 1998-08-06
EARLIER PILING DATE: 1998-08-06
EARLIER PILING DATE: 1998-08-06
EARLIER PILING DATE: 1998-08-06
EARLIER PILING DATE: 1998-08-06
EARLIER PILING DATE: 1998-08-06
EARLIER PILING DATE: 1998-08-06
SOFTWARE: PALENTIN VOW. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 51, Application US/09489847; Patent No. 6476195; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.97e-36
406.50
60.7%
40.3%
34.9%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Percent Similarity:
Best Local Similarity:
Query Match:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 51
LENGTH: 2076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-489-847-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠ
                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ð
                                  셤
                                                                                à
                                                                                                          셤
                                                                                                                                                          ò
                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Mavel, Odile
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Bates, Usinabeth Ester Mary
APPLICANT: Bates, John
APPLICANT: Bates, John
APPLICANT: Lebecque, Serge J.E.
APPLICANT: Saeland, Sem
TITLE OF INVENTION: Isolated Mammalian Membrane Protein Genes, Related Reagents
FILE REFERENCE: SF06.95 B
CURRENT FILING DATE: 2001-05-22
PRIOR APPLICATION NUMBER: US 60/053,080
PRIOR FILING DATE: 1997-07-09
PRIOR FILING DATE: 1998-07-08
NUMBER: OF SEQ ID NOS: 13
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    36 AGAGAGAAACCTATCCGTGATCTAAGAAAGCCTGGTTCCCCCTCACTGCTTCTTACATCC 425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  539
                                                                                                                                              836
                                                                                                                      178 SerileValPhe---TrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThr 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysValValThr 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |||
TATTTTCAAAAGTACTCTCAACTTCTTGAAGAAAAAAAAGCTGCAAAAAATATAATGCAC
      780 ATAGGGTTGTGGGAT---ACAGGCCATCGGCAATGGCAATGGGTTGATCAGACACCATAT
                                            GluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAla
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3 GlnGluGlnGlnProGlnSerThrGluLysArgGlyTrpLeuSerLeuArgLeuTrpSer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TyrHisPheThrTyrGlyGlu---ThrGlyLysArgLeuSerGluLeuHisSerTyrHis
                                                                                GAAGAAAGTATCACATTCTGGCACAATGGTGAGCCCAGCAGTGGCAATGAAAAATGTGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1418
85
45
73
10
                                                                                                                                                                                                197 ArgArgAsnSerIleCysGluMetAsnLysIleTyrLeu 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: mammalian nucleic acid and protein
                                                                                                                                                                                                                        SS4 AAACAGAAGTCAGTTTGTCAGATGAAGAAATAAACTTA 992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-766-511B-53 (1-209) x US-09-862-802A-7 (1-1418)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: (279)..(992)
OTHER INFORMATION: protein coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: (1348)..(1348)
OTHER INFORMATION: poly-A addition motif
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps:
                                                                                                                                                                                                                                                                                                                  Sequence 7, Application US/09862802A
Patent No. 6756478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4.45e-40
436.00
61.0%
39.9%
37.4%
                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Valladeau, Jenny
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: misc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Alignment Scores:
Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 1418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-862-802A-7
                                            158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match:
DB:
                                                                                셤
                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        유
                                                                                                                        ઠે
                                                                                                                                                                                                ò
                                                                                                                                                                                                                                    원
                                            ò
```

ઠે 원 ò g 8 a ઠે a a ò g ò d ð 셤 ð 요 8 셤

```
175 régacrérrécrégaricecarécratricreagiécerérreareaceagarérer 234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         81 AlaSerTrpLysSerPheGlySerSerCysTyrPhelleSerSerGluGluLysValTrp 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           101 SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        118 AAATCATCTGAAACACAAATGCACAGAG---AGAGGATGCTTCTCTTTCCCAAATGTTCTTA 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |||||||::
235 GTGACATTTCGCATC---TTTCAAACCTGTGATGAGAAAAAGTTTCAGCTACCTGAGAAT 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           41 ValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyr 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21 TrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysVal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3 GlnGluGlnGlnProglnSerThrGluLysArgGlyTrpLeuSer-----LeuArgLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              997
84
34
7
7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-766-511B-53 (1-209) x US-09-907-794A-376 (1-997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length:
Matches:
Conservative:
Mismatches:
Indels:
               PRIOR APPLICATION NUMBER: PCT/USO0/04414
PRIOR PILING DATE: 2000-02-2
PRIOR PILING DATE: 1999-07-07
PRIOR PILING DATE: 1999-07-07
PRIOR PILING DATE: 1999-07-28
PRIOR PILING DATE: 1999-07-28
PRIOR PILING DATE: 1999-09-08
PRIOR PILING DATE: 1999-09-08
PRIOR PILING DATE: 1999-09-08
PRIOR PILING DATE: 1999-09-13
PRIOR PILING DATE: 1999-09-13
PRIOR PILING DATE: 1999-09-13
PRIOR PILING DATE: 1999-09-13
PRIOR PILING DATE: 1999-09-15
PRIOR PILING DATE: 1999-09-15
PRIOR PILING DATE: 1999-10-05
PRIOR PILING DATE: 1999-10-06
PRIOR PILING DATE: 1999-10-06
PRIOR PILING DATE: 1999-10-06
PRIOR PILING DATE: 1999-10-06
PRIOR PILING DATE: 1999-11-30
PRIOR PILING DATE: 1999-11-30
PRIOR PILING DATE: 1999-11-30
PRIOR PILING DATE: 1999-11-30
PRIOR PILING DATE: 1999-12-02
PRIOR PILING DATE: 1999-12-02
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 1999-12-03
PRIOR PILING DATE: 2099-12-03
PRIOR PILING DATE: 2099-12-03
PRIOR PILING DATE: 2099-12-03
PRIOR PILING DATE: 2099-12-03
PRIOR PILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-907-794A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Alignment Scores
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              요.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
299
                                                                                                                                                                                                                                                                                                           GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal 116
                                                                                                                                                                                                                                                                                                                                                                                                                            360 AACAAGACGTGGGCTGAGAGTGAAAGGAACTGTTCAGGGATGGGGGCCCATCTGATGACC 419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             117 PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyr 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PheleuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIle-AspLysThrPr 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CyshlaSerIleValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGlu 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 600 AACTGTGTTGTTGTTTATAACCAAGATAAATGGGCCTGGAATGATGTTCCTTGTAAC 659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 oTyrGluLysAsnValArg-PheTrpHisLeuGlyGluProAsnHisSer-AlaGluGln 175
                                                                                                                                                                            9/
                                                                                                                                                                                                                                                                              GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGlu 96
                                                                          43 TyrHis---PheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyrHis
                                                                                                                                                                                                                           GCAAAGCTCAAATGCATCAAAGAGAAATCAGAACTGAAAAGTGCTGAAGGGAGCACCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: 10466-14 CURRENT APPLICATION NUMBER: US/09/907,794A
                                                                                                         SerSerLeuThrCysPheSerGluGlyThrLysValProAla-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ThrArgArgAsnSerIleCysGluMet 204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   660 TITGAAGCAAGTAGGATTTGTAAAATA 686
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 376, Application US/09907794A Patent No. 6635468 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Stewart, Timothy A. Tumas, Daniel Williams, P. Mickey Wood, William, I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Paoni, Nicholas F.
Roy, Margaret Ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gerritsen, Mary E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gerber, Hanspeter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Fong, Sherman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Desnoyers,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -09-907-794A-376
                                                                                                                                                                          62
                                                                                                                                                                                                                           240
                                                                                                                                                                                                                                                                              77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  196
                                                                                                                                                                                                                                                                                                                                                                              16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT
```

408

40

ω

```
Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ....ads, Daniel A.
....ads, Daniel A.
....ads, Daniel P. Mickey
....: Williams, P. Mickey
...: Williams, P. Mickey
...: Williams, P. Mickey
...: Williams, P. Mickey
...: Williams, P. Mickey
...: Williams, P. Mickey
...: Williams, P. Mickey
...: Milliams, P. Mickey
...: Milliams, P. Mickey
...: Milliams, P. Mickey
...: Milliams, P. Mickey
...: Milliams, P. Mickey
...: Milliams, P. Milliam, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. Milliams, P. 
                                                                                                                                                                                                                                                                                                             161 ValArgPheTrpHisLeuGlyGluProAsnHisSerAla-----GluGlnCysAlaSer 178
                                                                                                                                                                                                    SerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsn 160
                                                                                                                                                                                                                                                                                                                                                                                                                             179 IleValPheTrpLysProThrGlyTrpGlyTrpAsnAspVallleCysGluThrArgArg 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               649 ATGAGAGACTCTTCAAACCCAAGGCAAAATİGGAAİGAİGİAACCİĞİTTCCTCAATTAT 708
121 AlaGluGlnAsnPhelleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu
                                                                                                                        589 creaecricigosargradosascicidadaacaraciraccreosascarcificidade
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 1999-09-13
APPLICATION NUMBER: PCT/US99/21090
FILING DATE: 1999-09-15
APPLICATION NUMBER: PCT/US99/21547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 376, Application US/09905125A Patent No. 6664376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 709 TTTCGGATTTGTGAAATG 726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Desnoyers, Luc
Eaton, Dan L.
Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fong, Sherman
Gao, Wei-Qiang
Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            199 AsnSerIleCysGluMet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-905-125A-376
                                                                                                                                                                                                       141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT
                                                                                                                                                                                                                                                                                                                                                                     유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                            a
                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                    ò
                                                                                       8
```

```
161 ValArgPheTrpHisLeuGlyGluProAsnHisSerAla-----GluGlnCysAlaSer 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      101 SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsn 160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            179 IleValPheTrpLysProThrGlyTrpGspAspAspValIleCysGluThrArgArg 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    118 AAATCATCTGAAACACAAATGCACAGAG---AGAGGATGCTTCTCTTCCCAAATGTTCTTA 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 41 ValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyr 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |||||||:: :::|||
235 GTGACATTTCGCATC---TTTCAAACCTGTGATGAGAAAAAGTTTCAGCTACCTGAGAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        81 AlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTrp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121 AlaGluGlnAsnPhelleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3 GlnGluGlnGlnProGlnSerThrGluLysArgGlyTrpLeuSer-----LeuArgLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21 TrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCyePheIleValSerCyeVal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   997
84
34
7
7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-766-511B-53 (1-209) x US-09-905-125A-376 (1-997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length:
Matches:
Conservative:
Mismatches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels:
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR PLLING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR PELLING DATE: 1999-11-29
PRIOR PELLING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR PILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR PLING DATE: 1999-12-02
PRIOR PLLING DATE: 1999-12-02
PRIOR PLLING DATE: 1999-12-16
PRIOR PLLING DATE: 1999-12-16
PRIOR PLLING DATE: 1999-12-02
PRIOR PLLING DATE: 1999-12-04
PRIOR PLLING DATE: 1999-12-06
PRIOR PLLING DATE: 1999-12-07
PRIOR PLLING DATE: 1999-12-07
PRIOR PLLING DATE: 1999-12-07
PRIOR PLLING DATE: 1999-12-07
PRIOR PLLING DATE: 1999-12-07
PRIOR PLLING DATE: 1999-12-07
PRIOR PLLING DATE: 1999-12-07
PRIOR PLLING DATE: 1999-12-07
PRIOR PLLING DATE: 1999-12-07
PRIOR PLLING DATE: 2000-01-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        398.50
57.3%
40.8%
34.2%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 42:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Percent Similarity:
Best Local Similarity:
Query Match:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-905-125A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     141
```

234

```
141
                                                                                                                                                                                                                                 Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ð
                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Wood, WILLIAM, 1.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same CURRENT PILING DATE: 1046-14

PRIOR PELICATION NUMBER: US (0/143, 048

PRIOR FILING DATE: 1999-07-26

PRIOR FILING DATE: 1999-07-26

PRIOR FILING DATE: 1999-07-26

PRIOR PLING DATE: 1999-07-26

PRIOR PLING DATE: 1999-07-26

PRIOR PLING DATE: 1999-07-26

PRIOR PLING DATE: 1999-07-26

PRIOR PLING DATE: 1999-07-26

PRIOR PLING DATE: 1999-07-26

PRIOR PLING DATE: 1999-07-26

PRIOR PLING DATE: 1999-07-26

PRIOR PLING DATE: 1999-07-26

PRIOR PLING DATE: 1999-07-26

PRIOR PLING DATE: 1999-07-15

PRIOR PLING DATE: 1999-08-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-10-15

PRIOR PLING DATE: 1999-11-16

PRIOR PLING DATE: 1999-12-16

PRIOR PLING DATE: 1999-12-16

PRIOR PLING DATE: 1999-12-16

PRIOR PLING DATE: 1999-12-16

PRIOR PLING DATE: 1999-12-16

PRIOR PLING DATE: 1999-12-16

PRIOR PRIOR PLING DATE: 1999-12-16

PRIOR PLING DATE: 1999-12-16
Sequence 376, Application US/09902775A Patent No. 6686451 GENERAL INPORMATION: APPLICANT: Genentech, Inc. APPLICANT: AShkenazi, Avi APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Goddard, A.
Godowski, Paul J.
Grimaldi, Christopher
                                                            199 AsnSerIleCysGluMet 204
                                                                                                    TTTCGGATTTGTGAAATG 726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
Williams, P. Mickey
Wood, William, I.
                                                                                                                                                                                                                                                                                                          Desnoyers, Luc
Eaton, Dan L.
Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Gerber, Hanspeter
Gerritsen, Mary E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kljavin, Ivar J.
Mather, Jennie P.
                                                                                                                                                                                                                                                                                                                                                                                            Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pan, James
                                                                                                                                                              .09-902-775A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                        APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
APPLICANT:
                     유
                                                              ઠ
```

```
81 AlaSerTrpLysSerPheGlySerCysTyrPheIleSerSerGluGluLysValTrp 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               101 SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              161 ValArgPheTrpHisLeuGlyGluProAsnHisSerAla-----GluGlnCysAlaSer 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               118 AAATCATCTGAAACACAATGCACAGAG---AGAGGATGCTTCTCTTCCCAAATGTTCTTA 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsn 160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          179 IleValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArg 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  649 ATGAGAGACTCTTCAAACCCAAGGCAAAATTGGAATGATGATGATGTTACCTGTTTCCTCAATTAT 708
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      41 ValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyr 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               349 TTGAACTGGGAATAFTTTCAATCCAGCTGCTACTTCTTTTCTACTGACACCATTTCCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              121 AlaGluGlnAsnPhelleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               235 GIGACATITCGCAIC -- - TITCAAACCIGIGAIGAAAAAAGITICAGCIACCIGAGAAI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 GlnGluGlnGrnProGlnSerThrGluLy8ArgGlyTrpLeuSer----LeuArgLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21 TrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysVal
                                                                                                                                                                                                                           997
84
34
81
7
                                                                                                                                                                                                                                                             Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                           US-09-766-511B-53 (1-209) x US-09-902-775A-376 (1-997)
                                                                                                                                                                                                                               Length:
Matches:
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/USOO/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 376
LENCTH: 997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 376, Application US/09906700
Patent No. 6723535
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Bestein, David
APPLICANT: Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           199 AsnSerIleCysGluMet 204
                                                                                                                                                                                                          5.28e-36
398.50
57.3$
40.8$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                           Percent Similarity:
Best Local Similarity:
Query Match:
DB:
                                                                                                                                                                   US-09-902-775A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08-09-906-90-376
                                                                                                                                                                                                            Alignment Scores:
```

```
349 TIGAACTGGGAATATTTTCAATCCAGCTGCTACTTTTCTTACTGACACCATTTCCTGG 408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 121 AlaGluGlnAsnPhelleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       141 SeraspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsn 160
                                                                                                       |||||||::
235 GTGACATITCGCATC---TITCAAACCTGTGATGAGAAAAAGTITCAGCTACCTGAGAAT 291
                                                                                                                                                                                                                                                                                                                                                                            81 AlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTrp 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            101 SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 409 GCGTTAAAGTTTAAAGAACTGCTCAGCCATGGGGGCTCACCTGGTGGTTATCAACTCACAG 468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        469 GAGGAGCAGGAATTCCTTTCCTACAAGAAACCTAAAATGAGAGAGTTTTTTATTGGACTG 528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  161 ValArgPheTrpHisLeuGlyGluProAsnHisSerAla-----GluGlnCysAlaSer 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          179 IleValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArg 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  :::
649 ATGAGAGACTCTTCAAACCGAAGGCAAAATTGGAATGTAACCTGTTTCCTCAATTAT 708
                                                                                                                                                                                                                                                         41 ValThrTyrHisPheThrTyrGlyGluThrGlyLy8ArgLeuSerGluLeuHisSerTyr 60
                                                                                                                                                                      TrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysVal 40
                                                                                                                                                                                                                                                                                                                                                 61 HisserSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro
                                                                                GlnGluGlnGlnProGlnSerThrGluLysArgGlyTrpLeuSer-----LeuArgLeu
                                    US-09-766-511B-53 (1-209) x US-09-906-700-376 (1-997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-903-603A-376; Application US/09903603A; Sequence 376; Application US/09903603A; Patent No. 6767995; GENERAL INFORMATION: APPLICANT: Genentech, Inc.; APPLICANT: Ashkenazi, Avi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ŗ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Godowski, Paul J.
Grimaldi, Christopher
Gurney, Austin L.
Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   199 AsnSerIleCysGluMet 204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          709 TTTCGGATTTGTGAAATG 726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Desnoyers, Luc
Eaton, Dan L.
Ferrara, Napoleone
Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kljavin, Ivar J.
Mather, Jennie P.
Pan, James
Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Goddard, A.
                                                                                                                                                                          21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠ
                                                                                   ð
                                                                                                                        셤
                                                                                                                                                                          ઠે
                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                          ద
                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: WOOSG, MILLIAM, 1.

JITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same File OF UNENTION: Acids Encoding the Same CURRENT APPLICATION NUMBER: US/09/906,700

PRIOR PELING DATE: 1200-09-18

PRIOR FILING DATE: 1299-07-07

PRIOR PELING DATE: 1399-07-28

PRIOR PELING DATE: 1399-07-28

PRIOR PELING DATE: 1399-07-28

PRIOR PELING DATE: 1399-07-28

PRIOR PELING DATE: 1399-07-28

PRIOR PELING DATE: 1399-07-28

PRIOR PELING DATE: 1399-07-38

PRIOR PELING DATE: 1399-09-18

PRIOR PELING DATE: 1399-09-18

PRIOR PELING DATE: 1399-09-18

PRIOR PELING DATE: 1399-09-18

PRIOR PELING DATE: 1399-10-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-10-05

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRIOR PELING DATE: 1399-12-07

PRI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        997
84
34
81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                          Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                                      Williams, P. Mickey Wood, William, I.
                                                                                                                                                                                                                                                                                                                                                          Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
                                                                                                                                                                                                                                             Hillan, Kenneth, J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5.28e-36
398.50
57.3%
40.8%
34.2%
                       Ferrara, Napoleone
Filvaroff, Ellen
                                                                                   Gao, Wei-Qiang
Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                   Paoni, Nicholas F.
                                                                                                                                                                                                                                                                  Kljavin, Ivar J.
Mather, Jennie P.
Pan, James
                                                                Fong, Sherman
Dan L.
                                                                                                                                                          Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-906-100-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 376
LENGTH: 997
                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
APPLICANT:
                                                                                                                                                   APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                   APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                         APPLICANT
                                                                     APPLICANT
                       APPLICAN
```

APPLICANT: APPLICANT: APPLICANT:

Percent Similarity: Best Local Similarity: Query Match:

```
::: ||| :::|||||||
409 GCGTTAAGTTTAAAGAACTGCTCAGGGGGGCTCACCTGGTGGTTATCAACTCACAG 468
                                                                                                                                                                                                                               101 SerLysSerGluGlnAsnCygValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
                                                                                                                                                                                                                   SerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsn 160
                                                                                                                                                                                                                                                                    161 ValargPheTrpHisLeuGlyGluProAsnHisSerAla-----GluGlnCysAlaSer 178
                                                                                                                                                                                                                                                                                                                       179 IleValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArg 198
                                                                                                                                                                                                                                                                                                                                               649 ATGAGAGACTCTTCAAACCCAAGGCAAAATTGGAATGATGTAACCTGTTTCCTCAATTAT 708
                                                                                                                                                                               81 AlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTrp
            61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro
                                                                                                                                                                121 AlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic ITILE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,920A
CURRENT FILING DATE: 2001-07-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: PCT/US00/04414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 2000-02-22
APPLICATION NUMBER: US 60/143,048
FILING DATE: 1999-07-07
APPLICATION NUMBER: US 60/145,698
FILING DATE: 1999-07-26
                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-904-920A-376
; Sequence 376, Application US/09904920A
; Patent No. 6806352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Godowski, Paul J.
Grimaldi, Christopher
                                                                                                                                                                                                                                                                                                                                                                          199 AsnSerIleCysGluMet 204
                                                                                                                                                                                                                                                                                                                                                                                               709 TTTCGGATTTGTGAAATG 726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gurney, Austin L.
Hillan, Kenneth, J.
Kijavin, Ivar J.
Mather, Jennie P.
Pan, James
Pan, James
Paoni, Nicholas F.
Roy, Margaret Ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tumas, Daniel
Williams, P. Mickey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ferrara, Napoleone
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Wood, William,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Goddard, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Stewart,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gao,
                                                                                                                                                                                                                    141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT
                                                                                                                                                                                                                                           셤
                                                                                g
                                                                                                             δ
                                                                                                                                     셤
                                                                                                                                                                                     g
                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                             ò
                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                          ઠ
|||||||||
GTGACATTTCGCATC---TTTCAAACCTGTGATGAGAAAAAGTTTCAGCTACCTGAGAAT 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21 TrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysVal 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyr 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3 GlnGluGlnGlnProGlnSerThrGluLysArgGlyTrpLeuSer-----LeuArgLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-766-511B-53 (1-209) x US-09-903-603A-376 (1-997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length:
Matches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5.28e-36
398.50
57.3%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            40.8%
34.2%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            41
```

ò 셤 δ d ò 셤

```
g
                                     셤
                                                                                     8 8
                                                                                                                                                                     8
                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            81 AlaSerTrpLysSerPheGlySerSerCysTyrPhelleSerSerGluGluLysValTrp 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121 AlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ||||||||:::
GTGACATTTCGCATC---TTTCAAACCTGTGATGAGAAAAAGTTTCAGCTACCTGAGAAT 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TrpServalAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysVal 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 41 ValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyr 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 GlnGluGlnGlnProGlnSerThrGluLysArgGlyTrpLeuSer----LeuArgLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysPro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      997
884
7 7
1 7
5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length:
Matches:
Conservative:
Mismatches:
Indels:
Gaps:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-766-511B-53 (1-209) x US-09-904-920A-376 (1-997)
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR PLILING DATE: 1999-09-08
PRIOR PLILING DATE: 1999-09-08
PRIOR PLILING DATE: 1999-09-08
PRIOR PLILING DATE: 1999-09-13
PRIOR PLILING DATE: 1999-09-13
PRIOR PLILING DATE: 1999-09-15
PRIOR PELICATION NUMBER: PCT/US99/21647
PRIOR PLILING DATE: 1999-09-15
PRIOR PLILING DATE: 1999-09-15
PRIOR PLILING DATE: 1999-09-15
PRIOR PLILING DATE: 1999-11-20
PRIOR PLILING DATE: 1999-11-20
PRIOR PLILING DATE: 1999-11-20
PRIOR PLILING DATE: 1999-11-30
PRIOR PLILING DATE: 1999-11-30
PRIOR PLILING DATE: 1999-11-30
PRIOR PLILING DATE: 1999-12-02
PRIOR PLILING DATE: 1999-12-02
PRIOR PLILING DATE: 1999-12-02
PRIOR PLILING DATE: 1999-12-02
PRIOR PLILING DATE: 1999-12-02
PRIOR PLILING DATE: 1999-12-02
PRIOR PLILING DATE: 1999-12-02
PRIOR PLILING DATE: 1999-12-02
PRIOR PLILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30991
PRIOR PLILING DATE: 1999-12-20
PRIOR PLILING DATE: 1999-12-20
PRIOR PLILING DATE: 1999-12-20
PRIOR PLILING DATE: 1999-12-20
PRIOR PLILING DATE: 1999-12-20
PRIOR PLILING DATE: 1999-12-20
PRIOR PLILING DATE: 1999-12-20
PRIOR PLILING DATE: 1999-12-20
PRIOR PLILING DATE: 1999-12-20
PRIOR PLILING DATE: 1999-12-20
PRIOR PLILING DATE: 1999-12-20
PRIOR PLILING DATE: 2000-01-05
PRIOR PLILING DATE: 2000-01-05
PRIOR PLILING DATE: 2000-01-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5.28e-36
398.50
57.3%
40.8%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Percent Similarity:
Best Local Similarity:
Query Match:
DB:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-904-920A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           요
```

```
        Qy
        141 SerAspProGInGlyAsnAsnTrpGInTrpIleAspLysThrProTyrGIuLy8Asn 160

        Db
        529 TCAGACCAGGTTGGAGGGTCAGTGGCGTGACGGGTGACAGGTGT 588

        Qy
        161 ValArgPhrTpHiseuGlyGluProAsnHisSerAla----GluGlnCy8AlaSer 178

        Db
        589 CTGAGCTTGTGGGATGTAGGGGAGCCCAACAACAACATGCTGCCACC 648

        Qy
        179 IleValPheTrpLy8ProThrGlyTrpGlyTrpAsnAspVallleCy8GluThrArgArg 198

        Db
        649 ATGAGAGACTCTTCAAACCCAAGGCAAATTGAATGTAACCTGTTTCCTCAATTAT 708

        Qy
        199 AsnSerIleCy8GluMet 204

        Qy
        199 AsnSerIleCy8GluMet 204

        Pb
        709 TTTCGGATTGTGAATG 726

        Search completed: March 28, 2006, 10:26:43

        Job time: 182 Becs
```

3, Appli 62, Appli 21, Appli 17, Appl 14, Appli 14, Appli 169, App

38, Appl 38, Appl 1, Appli 1, Appli 1616, Ap 1616, Ap

```
Sequence 52, Application US/09766511B

Publication No. US20030170621A1

FUBLICANT: NCARTHY, Sean A

APPLICANT: FRASER, Christopher C

APPLICANT: RASER, Christopher C

APPLICANT: MRES, Thomas S

APPLICANT: MRES, Paul S

APPLICANT: MRES, Paul S

APPLICANT: MRES, Paul S

APPLICANT: MRES, Paul S

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, Andrew

APPLICANT: MCGODEAL, AND OTHER USES

TITLE OF INVENTION: NUMBER: US 09/578,063

PRIOR FILING DATE: 1999-06-14

PRIOR FILING DATE: 1999-06-14

PRIOR FILING DATE: 1999-06-14

PRIOR FILING DATE: 1999-06-14

PRIOR FILING DATE: 1999-06-19

PRIOR FILING DATE: 1000-06-10

PRIOR FILING DATE: 2000-06-10

PRIOR FILING DATE: 2000-06-10

PRIOR FILING DATE: 2000-06-10

PRIOR FILING DATE: 2000-06-10

PRIOR FILING DATE: 2000-06-10

PRIOR FILING DATE: 2000-06-10

PRIOR FILING DATE: 2000-06-10

PRIOR FILING DATE: 2000-06-10

PRIOR FILING DATE: 2000-06-10

PRIOR FILING DATE: 2000-06-10

PRIOR FILING DATE: 2000-06-10
                    Sequence
Sequence
Sequence
                                                                           Sequence
Sequence
Sequence
                                                                                                                                 Sequence
Sequence
Sequence
                                                                                                                                                                                        Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                       Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 1
Sequence 1
Sequence 1
                                                                                                                                                                                                                                                                                                            Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
            US-10-212-198-12

US-10-212-198-12

US-10-212-198-13

US-10-212-198-3

US-10-212-198-3

US-10-212-198-3

US-10-212-198-3

US-10-212-198-3

US-10-212-198-3

US-10-398-779-14

US-10-398-779-14

US-10-398-779-14

US-10-388-779-14

US-10-125-540-199

US-09-764-870-199

US-09-764-870-199

US-10-125-540-38

US-10-125-540-38

US-10-125-540-38

US-10-125-100-11

US-10-264-237-1248

US-10-264-237-1248

US-10-264-237-1248

US-10-313-316-122

US-10-773-236-123

US-10-773-236-123

US-10-773-236-123

US-10-773-236-123

US-10-773-236-123

US-10-773-236-123

US-10-773-236-123

US-10-773-236-123

US-10-773-236-123

US-10-773-236-123

US-10-773-236-123

US-10-773-236-123

US-10-773-236-123

US-10-773-236-123

US-10-773-236-123

US-10-773-236-123

US-10-829-107-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ALIGNMENTS
                                                                                                                                                                                          444
4001
10091
10091
10091
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
10096
100
JS-09-766-511B-52
υ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  March 28, 2006, 10:23:49; Search time 817 Seconds (without alignments) 2115.422 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 52, Sequence 9, 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Description
                                                                                                                                                                                                    US-09-766-511B-53
1165
1 MMQEQQPQSTEKRGMLSLRL......NDVICETRRNSICEMNKIYL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Published Applications NA Main: *

1: /cgn2 6/ptodata1/pubpna/USO1 PUBCOMB.seq: *

2: /cgn2 6/ptodata1/pubpna/USO8 PUBCOMB.seq: *

3: /cgn2 6/ptodata1/pubpna/USO9A PUBCOMB.seq: *

4: /cgn2 6/ptodata1/pubpna/USO9B PUBCOMB.seq: *

5: /cgn2 6/ptodata1/pubpna/USO9B PUBCOMB.seq: *

6: /cgn2 6/ptodata1/pubpna/USO9B PUBCOMB.seq: *

7: /cgn2 6/ptodata1/pubpna/USO9B PUBCOMB.seq: *

8: /cgn2 6/ptodata1/pubpna/USO9B PUBCOMB.seq: *

7: /cgn2 6/ptodata1/pubpna/USO9B PUBCOMB.seq: *

9: /cgn2 6/ptodata1/pubpna/USO9B PUBCOMB.seq: *

10: /cgn2 6/ptodata1/pubpna/USO9B PUBCOMB.seq: *
                GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd
                                                                                       nucleic search, using frame_plus_p2n model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-766-511B-52
US-10-270-470-9
US-09-766-511B-51
US-10-270-470-1
US-09-766-511B-72
US-10-270-470-3
US-09-766-511B-71
                                                                                                                                                                                                                                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                       9793542 segs, 4134689005 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                    Xgapop 10.0 , Xgapext
Ygapop 10.0 , Ygapext
Fgapop 6.0 , Fgapext
Delop 6.0 , Delext
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1045
3114
850
627
630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                    BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0
100.0
100.0
76.6
68.1
68.1
```

Post-processing:

Database :

Title: Perfect score:

Sequence:

ı

OM protein

Run on:

Scoring table:

Searched:

Sequence 51, Appl Sequence 1, Appli Sequence 72, Appl Sequence 3, Appli Sequence 71, Appli

Score

Result No.

1165 1165 892.5 793 793

Appl Appli Appli Appli Appli Appli Appli Appli

```
NAME/KEY: CDS
                                                                                                                                                                               Alignment Scores:
                                                                                                                                                          ; OTHER INFORU
US-10-270-470-9
                                                                                                                                                                                                                                                                                                                                                              288
                                                                                                                                                                                                                                                                                                                                                                                                         101
                                                                                                                                                                                                                                                                                                                                                                                                                                                    468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181
                                                                                                                                                                                                                                                                                                                                               61
                                                                                                                                                                                                                   Query Match:
DB:
                                                                                                                                                                                       Pred. No.:
                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                 a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ठ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                      요
                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                          Š
                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                        ઠ
                                                                                                                                                                                                                                                                                                                                         140
                                                                                                                                                                                                                                                                                                                                                                    ValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAlaSer1leVal 180
                                                                                                                                                                                                                                                                                                                                                                                                                               PheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArgAsnSer 200
                                                                                                                                                                                                    120
                                                                                                                                                                                                                                  180
                                                                                                                                                                                                                                                               240
                                                                                                                                                                                                                                                                              100
                                                                                                                                                                                                                                                                                           300
                                                                                                                                                                                                                                                                                                          120
                                                                                                                                                                                                                                                                                                                  420
                                                                                                                                                                                                                                                                                                                                                                                                                                              600
                                                                                                                                                                                                                    9
                                                                                                                                                                                                                                                 80
                                                                                                                                                                                      40
                                                                                                                                                          20
                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                       HisserSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro
                                                                                                                                                                                                                                                                             AlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTrp
                                                                                                                                                                                                                                                                                                         SerLysSerGluGlnAenCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu
                                                                                                                                                                                                                                                                                                                                                                                                                                        GCTTCTTGGAAGTCATTTGCTTCCAGTTGCTACTTCCATTTCCAGTGAAGAAGGTTTGG
                                                                                                                                                                                                                                                                                                                                                                                                            MetMetGlnGlnGlnBroGlnSerThrGluLysArgGlyTrpLeuSerLeuArgLeu
                                                                                        627
209
0
0
0
                                                                                       Length:
Matches:
Conservative:
Mismatches:
Indels:
Gaps:
                                                                                                                                           US-09-766-511B-53 (1-209) x US-09-766-511B-52 (1-627)
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 9, Application US/10270470
Publication No. US20030162955A1
GENERAL INFORMATION:
APPLICANT: Chalus, Lionel
APPLICANT: Quan, Ahn B.
APPLICANT: Bates, Elizabeth Ester Mary
         09/345,680
PRIOR FILING DATE: 1999-09-10
PRIOR FILING DATE: 1999-06-30
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 85
SOFTWARE: Patentin version 3.1
LEOUTH 627
                                                                                        8.07e-140
1165.00
100.0%
100.0%
                                                     TYPE: DNA ORGANISM: Homo sapiens
                                                                                                       Percent Similarity:
Best Local Similarity:
                                                                   US-09-766-511B-52
                                                                                  Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-270-470-9
                                                                                                                                                                                                                      41
                                                                                                                                                                                                                                                                                              241
                                                                                                                                                                                                                                                                                                                                                                                                                                 181
                                                                                                                                                                                        21
                                                                                                                                                                                                      61
                                                                                                                                                                                                                                   121
                                                                                                                                                                                                                                                  61
                                                                                                                                                                                                                                                                181
                                                                                                                                                                                                                                                                               81
                                                                                                                                                                                                                                                                                                            101
                                                                                                                                                                                                                                                                                                                          301
                                                                                                                                                                                                                                                                                                                                         121
                                                                                                                                                                                                                                                                                                                                                       361
                                                                                                                                                                                                                                                                                                                                                                                                    191
                                                                                                                                                                                                                                                                                                                                                                                                                   481
                                                                                                                      Query Match:
DB:
                                                                                                Score:
                                                                                                                                                          8
                                                                                                                                                                         유
                                                                                                                                                                                        ઠ
                                                                                                                                                                                                     엄
                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                         요
                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                  원
                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
```

```
APPLICANT: Gorman, Daniel M.
APPLICANT: Saeland, Sem
APPLICANT: Saeland, Sem
APPLICANT: Billips, Serge J.E.
APPLICANT: Phillips, Joseph H.
TITLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS
FILE REFERENCE: DX08020K
CURRENT APPLICATION NUMBER: US/10/270,470
CURRENT FILING DATE: 1999-03-16
PRIOR FILING DATE: 1999-03-16
PRIOR FILING DATE: 1999-03-16
PRIOR FILING DATE: 1998-03-17
NUMBER OF SEQ ID NOS: 10
SOFTWARE: Patentin version 3.1
SEQ ID NO
ENGRY
SEQ ID NOS: 10
SEQ ID NOS: 10
SEQ ID NOS: 10
SEQ ID NOS: 10
SEQ ID NOS: 10
SEQ ID NOS: 10
SEQ ID NOS: 10
SEQ ID NOS: 10
SEQ ID NOS: 10
SEQ ID NOS: 10
SEQ ID NOS: 10
SEQ ID NOS: 10
SED ID NOS: 10
SED ID NOS: 10
SED ID NOS: 10
SED ID NOS: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  121 AlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SerAapproGlnGlyAenAenAenTrpGlnTrp1leAspLysThrProTyrGluLysAen 160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Grcagartriregeaeceraegececaarcarreregaageaargreerreaaracre 647
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              228 GIAACTIACCATTITACATATGGTGAAACTGGGCAAAAGGCTGTCTGAACTACACTAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | HisserSerLeuthrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAlaSerIleVal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 MetMetGlnGluGlnGlnProGlnSerThrGluLysArgGlyTrpLeuSerLeuArgLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     41 ValThrTyrHiaPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHiaSerTyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GCAGAGCCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                1045
209
0
0
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-766-511B-53 (1-209) x US-10-270-470-9 (1-1045)
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length:
Matches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps:
                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.76e-139
1165.00
100.0%
100.0%
                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                               LOCATION: (108)..(734)
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         648
```

ઠે 셤

```
APPLICANT: Challes, Lionel
APPLICANT: Challes, Lionel
APPLICANT: Challes, Lionel
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Bates, Elizabeth Ester Mary
APPLICANT: Lebecque, Serge J.E.
APPLICANT: Phillips, Joseph H.
TITLE OF INVENTION: ISOLATED MAMMALIAN MEMBRANE PROTEIN GENES; RELATED REAGENTS
FILE REPERENCE: DX08020K
CURRENT PILING DATE: 1999-03-16
CURRENT PILING DATE: 1999-03-16
PRIOR FILING DATE: 1998-03-17
NUMBER OF SEQ ID NOS: 10
SOFTWARE: Patentin version 3.1
SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               161 ValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAlaSer1leVal 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                          634 GTCAGATTTTGGCACCTAGGTGAGCCCAATCATTCTGCAGAGCAATGTGTTCTAGTC 693
                                                                                                    SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
                                                                                                                                                                                                           121 AlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu 140
                                                                                                                                                                                                                                                                                                                    SerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsn 160
                                                                                                                                                                                                                                                                                                                                                                   574 TCAGACCCACAAGGTAATAATAATTGGCAATGGATTGATAAGACACCTTATGAGAAAAT 633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               108 ATGATGCAAGAGCAGCAACCTCAAAGTACAGAAAAAAAGAGGCTGGTTGTCCCTGAGACTC 167
                                                                                                                                  454 TCTAAGAGTGAGCAGAACTGTGTTGTGTGTGGAGCACATTTGGTTGTGTTCAACACAGAA
                                                                                                                                                                                                                                                       514 GCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTT
81 AlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysValTrp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MetMetGlnGluGlnGlnProGlnSerThrGluLyBArgGlyTrpLeuSerLeuArgLeu
                                                  394 GCTTCTTGGAAGTCATTTGGTTCCAGTTGCTACTTCATTTCCAGTGAAGAAGGTTTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 850
165
13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-766-511B-53 (1-209) x US-10-270-470-1 (1-850)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            201 IleCysGluMetAsnLysileTyrLeu 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              754 ATATGTGAGATGAATAAGATTTACCTA 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gape:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 1, Application US/10270470; Publication No. US20030162955A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.97e-104
892.50
97.6%
97.6%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COCATION: (108)...
COTHER INFORMATION:
US-10-270-470-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Alignment Scores:
Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-270-470-1
                                                                                                                                                                                                                                                                                                                    141
                                                                                                      101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match:
DB:
                                      셤
                                                                                                                                        ద
                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                          a
                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                      à
                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                         GRENERAL INFORMATION:
GRENERAL INFORMATION:
APPLICANT: REASER, Christopher C
APPLICANT: GRASER, Christopher C
APPLICANT: GRASER, Christopher C
APPLICANT: GRASER, Christopher C
APPLICANT: GRASER, Christopher C
APPLICANT: GRASER, Christopher C
APPLICANT: GRASER, Christopher C
APPLICANT: GRODEABL, Andrew
APPLICANT: GRODEABL, Andrew
APPLICANT: HOLTZWAN, Douglas A
APPLICANT: GRODEABL, Andrew
TITIE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, PREV
TITIE OF INVENTION: NOVEL GENES ENCODING PROTEINS
FILE REFERENCE: 10147-65
CURRENT FILING DATE: 2002-05-07
FILING DATE: 2000-05-34
PRIOR APPLICATION NUMBER: US 09/596,194
PRIOR APPLICATION NUMBER: US 09/596,194
PRIOR APPLICATION NUMBER: US 09/596,194
PRIOR APPLICATION NUMBER: US 09/333,364
PRIOR APPLICATION NUMBER: US 09/342,364
PRIOR PELING DATE: 2000-06-10
PRIOR PELING DATE: 1200-06-10
PRIOR PELING DATE: 1200-06-10
PRIOR PELING DATE: 1200-06-10
PRIOR PELING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 1200-06-10
PRIOR FILING DATE: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           154 ATGATGCAAGAGCAGCAACCTCAAAGTACAGAGAAAAGAGGCTGGTTGTCCCTGAGACTC 213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATAT 333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CATTCAAGTCTCACTGCTTCAGTGAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCA 393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 41 ValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHisSerTyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 MetMetGlnGlnGlnGlnProGlnSerThrGluLysArgGlyTrpLeuSerLeuArgLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-766-511B-53 (1-209) x US-09-766-511B-51 (1-3114)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length:
Matches:
Conservative:
Mismatches:
Indels:
                         209
                                                  708 ATATGTGAGATGAATAAAATTTACCTA 734
                   201 IleCysGluMetAsnLysIleTyrLeu
                                                                                                                                                                            Sequence 51, Application US/09766511B; Publication No. US20030170621A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.36e-139
1165.00
100.0%
100.0%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
COCANISM: Homo sapiens
US-09-766-511B-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Percent Similarity:
Best Local Similarity:
                                                                                                                                                      -09-766-511B-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match:
DB:
```

ò g ò 셤 ઠે 셤 ઠ

```
Sequence 3. Application US/10270470

| Sequence 3. Application US/10270470
| Publication No. US20030162955Al
| GENERAL INFORMATION:
| APPLICANT: Chalus, Lionel
| APPLICANT: Bates, Elizabeth Ester Mary
| APPLICANT: Sealand, Sem
| APPLICANT: Gorman, Daniel M. APPLICANT: Lebecque, Serge J.E.
| APPLICANT: Phillips, Joseph H. APPLICANT: Phillips, USeph H. APPLICANT: Phillips, USeph H. APPLICANT: Phillips, USeph H. APPLICANT: Phillips, USeph H. APPLICANT: Phillips, USeph H. APPLICANT: Phillips, USeph H. APPLICANT: Phillips, USeph H. APPLICANT: DAMBER: US/10/270,470
| CURRENT APPLICATION NUMBER: US/10/270,470
| CURRENT FILMS DATE: 1999-03-16
                                                                                                                                                                                                                                                                                                                                           349 ATCAATACTGAAGCGGAGCAGAATTTCATCACCCAGCAGCTGAATGAGTCACTTTCTTAC 408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PheleuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               157 TyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCys 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     177 AlaserilevalPherrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThr 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    529 GTTTCAATAGTTTACTGGAATCCTTCGAAATGGGGCTGGAATGATGTTTTCTGTGATAGT 588
                                                                                                                                                                                                                                                                                              168
                                                                                                                                                                                                                                                                                                                                                                                                                                                            289 GAGAACTICIGGAGCACCAGIGAGCAGAACIGIGITCAGAIGGGGGCICAICIGGIGGIG 348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      409 ricciescriricesarccacaassiaarisscaarisscaarissarcaaracticri 468
                                                                                                                                                                                                                                                                                                                          9/
                                                                                                                                                                                                                                                                                                                                                                             GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGlu 96
                                                                                                                                                                                                             19 ArgreuTrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSer 38
                                                                                                                                                                          49 AGACTCTGGTCAGCTGCTGTGATTTCCATGTTACTCTTGAGTACCTGTTTCATTGCGAGC
                                                                                                                                                                                                                                                                                     109 TGTGTGGTGACTTACCAATTTATTATGGACCAGCCCAGTAGAAGACTATATGAACTTCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                   97 GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        117 PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyr
                                                                                                                                                                                                                                                                      39 CysValValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHis
                                                                                                                                                                                                                                                                                                                          59 SerTyrHisSerSerLeuThrCysPheSerGluGlyThrLysVal-----ProAlaTrp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MetMetGlnGluGlnGlnProGlnSerThrGluLyaArgGly-----TrpLeuSerLeu
                                   627
145
19
41
4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           197 ArgArgAsnSerileCysGluMetAsnLysileTyrLeu 209
                                   Length:
Matches:
Conservative:
Mismatches:
                                                                                                                                 US-09-766-511B-53 (1-209) x US-09-766-511B-72 (1-627)
                                                                                          Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 09/270,368
                                 8.69e-92
793.00
77.0%
68.1%
                                                               Percent Similarity:
Best Local Similarity:
US-09-766-511B-72
                         Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               137
                                                                                           Query Match:
                                       ..
90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  쉱
                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                     원
                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                          δ
                                                                                                                                                                                                                                                                                                                                                                                ઠ
                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                         100
                                                                                                                                                                                                     407
                                                                                                                                                                                                                                120
                                                                                                                                                                                                                                               TCTAAGAGTGAGCAGAACTGTGTGTGAGATGGGAGCACATTTGGTTGTGTTCAACACAGAA 467
                                                                                                                                                                                                                                                                                     140
                                                                                                                                                                                                                                                                                                                                        SerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyrGluLysAsn 160
                                                                                                                                                                                                                                                                                                                                                                    587
                                                                                                                                               347
                          228 GTAACTTACCATTTTACATATGGTGAAACTGGCAAAAGGCTGTCTGAACTACACTCATAT 287
                                                                                                                      80
                                                                                                                                                                          HisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro
                                                                                                                                               CATTCAAGTCTTACCTGCTTCAAGGGACAAAGGTGCCAGCCTGGGGATGTTGCCCA
                                                                                                                                                                                                                                SerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu
                                                                                                                                                                                                                                                                                     AlaGluGlnAsnPhelleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu
                                                                                                                                                                                                                                                                                                    GCAGAGCAGAATTTCATTGTCCAGCAGCTGAATGAGTCATTTTCTTATTTTCTGGGGCTT
                                                                                                                                                                                                                                                                                                                                                         ValArg-----PheTrpHisLeu 166
                                                                                                                                                                                                                                                                                                                                                                                                                         191
                                                                  41
                                                                                                                       61
                                                                                                                                                 288
                                                                                                                                                                            81
                                                                                                                                                                                                      348
                                                                                                                                                                                                                                 101
                                                                                                                                                                                                                                                           408
                                                                                                                                                                                                                                                                                     121
                                                                                                                                                                                                                                                                                                                468
                                                                                                                                                                                                                                                                                                                                            141
                                                                                                                                             g
                                                                                                                                                                          ò
                                                                                                                                                                                                     유
                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                        ద
                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                유
                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                  ઠે
                                                                                          g
                                                                                                                      à
```

```
셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                  228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GGATGCTGCCCAAATCACTGGAAGTCATTTGGCTCCAGCTGCTACCTCATTTCTACCAAG 288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 349 ATCAATACTGAAGCGGAGCAGAATTTCATCACCCAGCAGCTGAATGAGTCACTTTCTTAC 408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               109 igigicigicinacaarinarrangaccagccagragagacianargaactrcac 168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            177 AlaSerileValPheTrpLysProThrGlyTrpGlyTrpAsnAspValileCysGluThr 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9/
                                                                                                                                                                                                                                                                                                                                                          1 MetMetGlnGluGlnGlnGlnProGlnSerThrGluLysArgGly-----TrpLeuSerLeu
                                                                                                                                                                                                                                                                                                                                                                            1 ATGGTGCAGGAAAGACAATCCCAAGGG------AAGGGAGTCTGCTGG--ACCCTG
                                                                                                                                                                                                                                                                                                                                                                                                                  ArgleuTrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CysValValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SerTyrHisSerSerLeuThrCysPheSerGluGlyThrLysVal-----ProAlaTrp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GlyCysCysProAlaSerTrpLysSerPheGlySerCysTyrPheIleSerSerGlu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       117 PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     157 TyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCys
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TTCAGTCAAAATGTCAGGTTCTGGCACCCCATGAACCCAATCTTCCAGAAGAGCGGTGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal
                                                                                                                                                                                                                             630
145
119
41
4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   197 ArgargasnSerileCysGluMetAsnLysileTyrLeu 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAACACAATTCAATATGTGAATGAAGATTTACCTA 627
                                                                                                                                                                                                                           Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                              US-09-766-511B-53 (1-209) x US-10-270-470-3 (1-630)
                                                                                                                                                                                                                                                                                                     Gaps:
                60/078,334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-766-511B-71
; Sequence 71, Application US/09766511B
; Publication No. US20030170621A1
PRIOR FILING DATE: 1999-03-16
PRIOR FILING DATE: 1998-03-17
PRIOR FILING DATE: 1998-03-17
NUMBER OF SEQ ID NOS: 10
SOFTWARE: Patentin version 3.1
SEQ ID NO 3
LENGTH: 630
                                                                                                                                                                                                                        8.76e-92
793.00
77.0%
68.1%
68.1%
                                                                                                    TYPE: DNA
ORGANISM: Mus musculus
                                                                                                                                          ) NAME/KEY: CDS
; LOCATION: (1)..(627)
; OTHER INFORMATION:
US-10-270-470-3
                                                                                                                                                                                                                                                       Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                 Alignment Scores:
Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   229
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               137
                                                                                                                                                                                                                                                                                                                                                                                                                  19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         409
                                                                                                                                                                                                                                                                                  Query Match
DB:
                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
```

```
APPLICANT: RECORDEDUST, Mehran M
APPLICANT: RECORDEDUST, Mehran M
TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PRE'
TITLE OF INVENTION: THERAPEUTIC, AND OTHER USES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  407 GGATGCTGCCCAAATCACTGGAAGTCATTTGGCTCCAGCTGCTACCTCATTTCTACCAAG 466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    117 PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyr 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             77 GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPheileSerSerGlu 96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 59 SerTyzHisSerSerLeuThrCysPheSerGluGlyThrLygVal-----ProAlaTrp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       97 GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CysValValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MetMetGlnGluGlnGlnProGlnSerThrGluLysArgGly-----TrpLeuSerLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19 ArgleuTrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1252
145
19
41
8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-766-511B-53 (1-209) x US-09-766-511B-71 (1-1252)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                      TITLE REFERENCE: 10147-65

CURRENT APPLICATION NUMBER: US/09/766,511B

CURRENT FILING DATE: 2002-05-07

CURRENT APPLICATION NUMBER: US 09/578,063

PRIOR PILING DATE: 2000-05-24

PRIOR PILING DATE: 2000-05-24

PRIOR PILING DATE: 1999-06-14

PRIOR PILING DATE: 1999-06-16

PRIOR PILING DATE: 1999-06-16

PRIOR PILING DATE: 1999-06-29

PRIOR PILING DATE: 1999-06-29

PRIOR PILING DATE: 1999-09-10

PRIOR PILING DATE: 1999-09-10

PRIOR PILING DATE: 1999-09-10

PRIOR PILING DATE: 1999-09-10

PRIOR PILING DATE: 1999-09-10

PRIOR PILING DATE: 1999-09-10

PRIOR PILING DATE: 1999-09-10

PRIOR PILING DATE: 1999-09-10

PRIOR PILING DATE: 1999-06-30

PRIOR PILING DATE: 1999-06-30

PRIOR PILING DATE: 1999-06-30

PRIOR PILING DATE: 1999-06-30

PRIOR PILING DATE: 1999-06-30

PRIOR PILING DATE: 1999-06-30

PRIOR PILING DATE: 1999-06-30

PRIOR PILING DATE: 1999-06-30
MCCARTHY, Sean A
FRASER, Christopher C
SHARP, John D
BARNES, Thomas S
KIRST, Susan J
WYERS, Paul S
WYIGHTON, Nicholas
GOODEARL, Andrew
HOLTZMAN, Douglas A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   793.00
77.0%
68.1%
68.1%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Percent Similarity:
Best Local Similarity:
Query Match:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-766-511B-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 71
LENGTH: 1252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Alignment Scores:
                                                                    APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
```

```
US-10-212-198-12
; Sequence 12, Application US/10212198
; Publication No. US20030138804A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, Bryan J
; APPLICANT: Tang, Y. Tom
; APPLICANT: Tang, Y. Tom
; APPLICANT: Tang, Y. Tom
; APPLICANT: Dimnanc, Radoje T.
; APPLICANT: Dimnanc, Radoje T.
; APPLICANT: Dimnanc, Radoje T.
; APPLICANT: Dimnanc, Radoje T.
; APPLICANT: Dimnanc, Radoje T.
; APPLICANT: Dimnanc, Radoje T.
; APPLICANT: Dimnanc, Radoje T.
; APPLICANT: Dickson, Mark C.
; APPLICANT: Dickson, Mark C.
; APPLICANT: Dickson, Mark C.
; APPLICANT: Dickson, Mark C.
; APPLICANT: Dickson, Mark C.
; APPLICANT: Dickson, Mark C.
; APPLICANT: Dickson, Mark C.
; APPLICANT: Dickson, Number: US/10/212,198
; TITLE OF INVENTION: Polypeptides and Polymucleotides
; TITLE OF INVENTION: WUMBER: US/10/212,198
; CURRENT FILING DATE: 2000-04-07
; PRIOR PLING DATE: 2000-04-07
; PRIOR PLING DATE: 2000-02-03
; WUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
LENGTH: 817
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        137 PheleuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      157 TyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCys 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        701 GTTTCAATAGTTTACTGGAATCCTTCGAAATGGGGCTGGGAATGATGTTTTCTGTGATAG 760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         97 GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       117 PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyr 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       177 AlaserilevalPheTrpLysProThrGlyTrpGlyTrp-AsnAspvalIleCysGluTh 196
                                                                              222 AGACTCTGGTCAGCTGCTGATTTCCATGTTACTCTTGAGTACCTGTTTCATTGCGAGC 281
                                                                                                                                                                                                                                                                             342 ACATÁCCATTCCAGTCTCACCTGCTTCAGTGAAGGGACTATGGTGTCAGAAAAAATGTGG 401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       402 GGAIGCIGCCCAAAICACIGGAAGICAITIGGCICCAGCIGCIACCICAITICIACCAAG 461
                                                                                                                                                                                                                                                                                                                                                                                                                                        77 GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGlu 96
                                                                                                                                           19 ArgleuTrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheileValSer 38
                                                1 MetMetGlnGluGlnGlnProGlnSerThrGluLy8ArgGly-----TrpLeuSerLeu 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     59 SerTyrHisSerSerLeuThrCysPheSerGluGlyThrLysVal-----ProAlaTrp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   522 ATCAATACTGAAGCGGAGCAGAATTTCATCACCCAGCAGCTGAATGAGTCACTTTCTTAC
                                                                                                                                                                                                                                               39 CysvalvalThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      582 Tricriegerctricegarcecaa-egraareecaaareecaareearearearacreer
US-09-766-511B-53 (1-209) x US-09-766-511B-61 (1-821)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       196 rArgArgAsnSerlleCysGluMetAsnLyslle 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     761 TAAACACAATTCAATATGTGAAATGAANAAGATT 794
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 9
US-10-212-198-12
                                                                                                                                                                                                                                                                                            엄
                                                                                                                                                                                                                                                                                                                                                                                           d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠ
                                                                                              g
                                                                                                                                                                                              g
                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                   ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-US-'66-511B-61

Sequence 61, Application US/09766511B

Publication No. US20030170621A1

SEQUENCE 61, MAPPLICATION:

APPLICANT: FRASEN, Christopher C

APPLICANT: FRASEN, Christopher C

APPLICANT: MCCAETHY, Sean A

APPLICANT: MACAETHY

APPLICANT: MIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANT: WIRES, Paul S

APPLICANTON NUMBER: US 09/578, 063

PRIOR FILING DATE: 1999-06-19

PRIOR FILING DATE: 1999-06-29

PRIOR FILING DATE: 1999-06-30

PRIOR FILING DATE: 1999-06-30

PRIOR PRIOR PRICATION NUMBER: US 09/345, 680

PRIOR PRICATION NUMBER: US 09/345, 680

PRIOR APPLICANTON NUMBER: US 09/345, 680

PRIOR PRICATION NUMBER: US 09/345, 680

PRIOR PRICATION NUMBER: US 09/345, 680

PRIOR PRICATION NUMBER: US 09/345, 680

PRIOR PRICATION NUMBER: US 09/345, 680
                                                                            156
                                                                                                                            646
                                                                                                                                                                            157 TyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCys 176
                                                                                                                                                                                                                          706
                                                                                                                                                                                                                                                                           177 AlaSerIleValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThr 196
                                                                                                                                                                                                                                                                                                                           707 GTITCAATAGITITACIGGAATCCITCGAAATGGGGCTGGAATGATGTTTTCTGTGATAGT 766
PheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnIrpGlnTrpIleAspLysThrPro
                                                                                                                                                                                                              587 TTCCTGGGTCTTTCGGATCCACACGTAATGGCAAATGGCAATGGATCGATGATACTCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      821
142
119
110
4
                                                                                                                                                                                                                                                                                                                                                                           197 ArgArgAsnSerIleCysGluMetAsnLysIleTyrLeu 209
                                                                                                                                                                                                                                                                                                                                                                                                                         767 AAACACAATTCAATATCTGAAATGAAGAAGATTTACCTA 805
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 85
SOFTWARE: PatentIn version 3.1
SEQ ID NO 61
EBNCTH: 821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.15e-85
740.00
75.9%
67.0%
63.5%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ) NAME/KEY: misc feature

) LOCATION: (788)

) OTHER INFORMATION: unsure

US-09-766-5118-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Percent Similarity:
Best Local Similarity:
Query Match:
DB:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Mus sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Alignment Scores:
                                                                            137
                                                                                                                          g
                                                                                                                                                                            ò
                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                           ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                            8
```

```
Sequence 19, Application US/10220946
Publication No. US20030124575A1
GENERAL INFORMATION:
APPLICANT: No. US20030124575Alartis AG
APPLICANT: No. US20030124575Alartis Erfindungen Verwaltungsgesellschaft m.b.H.
APPLICANT: Phares, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TyrGluLysAsnyalArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCys 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   361 ATCAACACCAGGAAGAACAGGATTTCATCATTCAGAATCTGAAAAGAAATTCTTCTTAT 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AlaSerilevalPheTrpLysProThrGlyTrpGlyTrpAsnAspValileCysGluThr 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  241 AGCTGCTGCCCAACCCCTTGGACTTCATTTCAGTCTAGTTGCTACTTTATTTCTAGTGGG 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ---HisSerTyrHisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrp 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    77 GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGlu 96
                                                                                                                                                                                                                                                                                                                                                                                                         20 LeuTrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCys 39
                                                                                                                                                                                                                                                                                                                                                            40 valvalThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeu----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TACAATGAAAATGTCACATTCTGGCACTCAGGTGAACCCAATAACCTTGATGAGGGTTGT
                                                                                                                                                                                                                                                                                                                                           MetMetGlnGluGlnBroGlnSerThrGluLys---ArgGlyTrpLeuSerLeuArg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   97 GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   117 PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro
                                                                                                                                                                                             642
30
44
64
2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              197 ArgArgAsnSerileCysGluMetAsnLysileTyrLeu 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 601 CCTCAGAAGTCAATTTGCAAGATGAAGAAGAACTACATA 639
                                                                                                                                                                                                                           Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                             US-09-766-511B-53 (1-209) x US-10-090-466-1 (1-642)
                                                                                                                                                                                               Length:
Matches:
CURRENT FILING DATE: 2002-03-01
PRIOR APPLICATION NUMBER: US 60/274,961
PRIOR FILING DATE: 2001-03-12
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1
LENGTH: 642
                                                                                                                                                                              1.25e-71
637.00
68.1%
54.0%
                                                                                                                               ORGANISM: homo sapiens
                                                                                                                                                                                                                           Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                Alignment Scores
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-220-946-19
                                                                                                                                                US-10-090-466-1
                                                                                                                                                                                                                                                                                                                                                                                                                                         61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                177
                                                                                                                TYPE: DNA
                                                                                                                                                                                                                                                             Query Match:
DB:
                                                                                                                                                                                             Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 11
                                                                                                                                                                                                                                                                                                                                           ઠ
                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ď
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ď
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                à
                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Œ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1, Application US/10090466
Publication No. US20020137914A1
GENERAL INFORMATION:
APPLICANT: Turner, C. Alexander Jr.
APPLICANT: Mathur, Brian
APPLICANT: Cullinan, Emily B.
TITLE OF INVENTION: No. US20020137914A1e1 Human Dectin Proteins and Polynucleotides
FILE REPERENCE: LEX-0315-USA
CURRENT APPLICATION NUMBER: US/10/090,466
                                                                                                                                                                                                                                                                                                                                                                           GECTGGTCCATGGCGAGTCGTATCCATCTTGCTCCTCAGTGTCTTTCACTGTGAGTTCT 130
                                                                                                                                                                                                                                                                                                                                                                                                                                           117 PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyr 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PheleuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCys 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                177 AlaSerileValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThr 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16
                                                                                                                                                                                                                                                                                                                                                                                                                          57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGlu 96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          40 ValValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeu----
                                                                                                                                                                                                                                                                                         1 MetMetGlnGluGlnGlnProGlnSerThrGluLys---ArgGlyTrpLeuSerLeuArg
                                                                                                                                                                                                                                                                                                               |||:::
|TGGTGCCTGAAGAAGAGCCTCAAGACCGAGAGAAAGGACTCTGGTGGTTCCAGTTGAAG
                                                                                                                                                                                                                                                                                                                                                            LeuTrpSerValAlaGly1leSerIleAlaLeuLeuSerAlaCysPheIleValSerCys
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ---HisSerTyrHisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      817
116
30
63
4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CCTCAGAAGTCAATTTGCAAGATGAAGAAGAACATCTACATA 649
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              197 ArgArgAsnSerlleCysGluMetAsnLyslleTyrLeu 209
                                                                                                                                            Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                           US-09-766-511B-53 (1-209) x US-10-212-198-12 (1-817)
                                                                                                                                         4.09e-72
642.00
68.5%
54.5%
 TYPE: DNA
ORGANISM: Homo sapiens
                                                            ; LOCATION: (11)..(652)
; OTHER INFORMATION:
US-10-212-198-12
                                                                                                                                                                    Percent Similarity:
Best Local Similarity:
Query Match:
DB:
                               FEATURE:
NAME/KEY: CDS
                                                                                                                               Alignment Scores:
Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 10
US-10-090-466-1
                                                                                                                                                                                                                                                                                                                                                         20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    431
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   157
                                                                                                                                                                                                                                                                                                                                                                                         7
                                                                                                                                                                                                                                                                                                                                                                                                                                                          131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               611
                                                                                                                                                 .. NO. .
```

ઠે 셤 ò d δ 셤 ò 셤 ò 요 ò 셤 ò g ò 셤 ઠે d ò g ò g

57

156

the of which

```
; Sequence 3, Application US/10212198
; Publication No. US20030138804A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2.83e-70
628.00
66.7%
53.5%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Alignment Scores:
                                                                                                                                            RESULT 12
US-10-212-198-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match:
DB:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                             셤
                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121 AlaGluGlnAsnPhelleValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeu 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAlaSerIleVal 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             101 SerlysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThrGlu 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     388 GAAGAACAGGATITICATICAGAAICIGAAAAGAAATICITICITITITITITIGGGCIG 447
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SerAspProGlnGlyAsnAsnAsnTrpGlnTrplleAspLysThrProTyrGluLysAsn 160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              508 GICACATICIGGCACTCAGGIGAACCCAAIAACCTIGAIGAGCGTIGIGCGAIAAIAAAI 567
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181 PheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArgAsnSer 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              88 GCAGTCGTATCCATCTTGCTCCTCAGTGTCTGTTTCACTGTGAGTTCTGTGGTGCCTCAC 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    81 AlaSerTrpLysSerPheGlySerCysTyrPheIleSerSerGluGluLysValTrp 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HisserSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysPro 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysValValThrTyr 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GinginProGinSerThrGluLys --- ArgGlyTrpLeuSerLeuArgLeuTrpSerVal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeu------HisSerTyr
APPLICANT: Description of APPLICANT: Lapp, Hilmar APPLICANT: Lapp, Hilmar APPLICANT: Lapp, Hilmar APPLICANT: Lapp, Hilmar APPLICANT: Lapp, Hilmar APPLICANT: Lapp, Hilmar TITLE OF INVENTION: Organic Compounds FILE REFERENCE 4-31347 PCT CURRENT APPLICATION NUMBER: US/10/220,946 CURRENT FILING DATE: 2000-09-06 PRIOR PRIOR APPLICATION NUMBER: US 60/192,934 PRIOR FILING DATE: 2000-05-18 PRIOR FILING DATE: 2000-05-18 PRIOR FILING DATE: 2000-05-18 PRIOR FILING DATE: 2000-05-19 PRIOR FILING DATE: 2000-05-19 PRIOR FILING DATE: 2000-05-19 PRIOR FILING DATE: 2000-05-19 PRIOR FILING DATE: 2000-05-19 PRIOR FILING DATE: 2000-05-19 PRIOR FILING DATE: 2000-05-19 PRIOR FILING DATE: 2000-05-19 PRIOR FILING DATE: 2000-05-19 PRIOR FILING DATE: 2000-05-19 PRIOR FILING DATE: 2000-05-19 PRIOR FILING DATE: 2000-05-19 PRIOR FILING DATE: 2000-05-19 PRIOR FILING DATE: 2000-05-19 PRIOR FILING DATE: 2000-05-19 PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   827
1114
28
63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length:
Matches:
Conservative:
Mismatches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-766-511B-53 (1-209) x US-10-220-946-19 (1-827)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.48e-70
630.00
67.9%
54.5%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-220-946-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Percent Similarity:
Best Local Similarity:
Query Match:
DB:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              803
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          용
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
```

```
DEPLICANT: BOYJE, Bryan J
APPLICANT: Ford, John B.
APPLICANT: Ford, John B.
APPLICANT: Tang, Y. Tom
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Liu, Chenghua
APPLICANT: Liu, Chenghua
APPLICANT: Dickson, Mark C.
APPLICANT: Dickson, Mark C.
APPLICANT: Binnerts, Minke
TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804Alel C-type Lc
TITLE OF INVENTION: WOMBER: US/10/212,198
FILE REFERENCE: HYS-5CIP
CURRENT APPLICATION NUMBER: US/10/212,198
CURRENT APPLICATION NUMBER: US/10/212,198
CURRENT APPLICATION NUMBER: 09/545,283
PRIOR APPLICATION NUMBER: 09/545,283
PRIOR FILING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin version 3.1
SEQ ID NO 3
LENGTH: 858
LENGTH: 858
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               283 AGCTGCCCGAACCCCTTGGACTTCATTTCAGTCTAGTTGCTACTTATTCTACTGGG 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           97 GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LeuTrpSerValAlaGly1leSerIleAlaLeuLeuSerAlaCysPheIleValSerCys 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ---HisSerTyrHisSerSerLeuThrCysPheSerGluGJyThrLysValProAlaTrp 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     77 GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGlu 96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MetMetGlnGlnGlnBroGlnSerThrGluLy8---ArgGlyTrpLeuSerLeuArg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        40 ValValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeu----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       858
1114
28
67
4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-766-511B-53 (1-209) x US-10-212-198-3 (1-858)
                                                                   201 IleCysGluMetAsnLysileTyrLeu 209
                                                                                               |||||||:::||| ||||||||||:::
```

```
APPLICANT: Arterburn, Matthew C.
APPLICANT: Binnerts, Minke
TITLE OF INVENTION: Methods and Materials Relating to No. US20030138804A1el C-type L
TITLE OF INVENTION: Polypeptides and Polymucleotides
FILE REPERENCE: HYS-SCIP
CURRENT APPLICATION NUMBER: US/10/212,198
CURRENT APPLICATION NUMBER: 09/545,283
PRIOR APPLICATION NUMBER: 09/545,283
PRIOR PILING DATE: 2000-04-07
PRIOR PILING DATE: 2000-04-07
PRIOR PILING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  289 GAGAACTTCTGGAGCACCAGTGAGCAGAACTGTGTTCAGATGGGGGCTCATCTGGTGGTG 348
                                                                                                                                                                                                                 349 ATCAATACTGAAGCGGAGCAGAATTTCATCACCCAGCAGCTGAATGAGTCACTTTCTTAC 408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      157 TyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCys 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  117 PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyr 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              409 TTCCTGGGTCTTTCGGATCCCAA-GGTAATGGCAAATGGCAATGGATCGATGGATACTCCT 467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CysValValThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeuHis 58
                                                                                                                                                                                                                                                                                                                                                                                                                      59 SerTyrHisSerSerLeuThrCysPheSerGluGlyThrLysVal-----ProAlaTrp 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGlu 96
                                                                   MetMetGlnGluGlnGlnProGlnSerThrGluLyaArgGly-----TrpLeuSerLeu
                                                                                                                                                                                  ArgLeuTrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSer
         US-09-766-511B-53 (1-209) x US-09-766-511B-62 (1-534)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 2, Application US/10212198; Publication No. US20030138804A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Boyle, Bryan J
APPLICANT: Ford, John E.
APPLICANT: Mize, Nancy K.
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Drmanac, Radoje T.
APPLICANT: Dickgon, Mark C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
CORGANISM: Homo sapiens
US-10-212-198-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           177 AlaSer 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     528 GTTŤČA 533
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 2
LENGTH: 826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:

                                                                                                                                                                                                                                             49
                                                                                                                                                                                                                                                                                                                                                           109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                97
                                                                                                                                                                                                                                                                                                       39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       137
                                                                                                        Q
                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                   ठ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                         요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ર્જ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 62, Application US/09766511B

Publication No. US2030170621A1

GENERAL INFORMATION:

APPLICANT: PRESER, Christopher C

APPLICANT: RABER, Christopher C

APPLICANT: SHARP, John D

APPLICANT: SHARP, John D

APPLICANT: SHARP, John D

APPLICANT: SHARP, John D

APPLICANT: SHARP, John D

APPLICANT: SHARP, John D

APPLICANT: SHARP, John D

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

APPLICANT: MISSIS, Paul S

PRIOR PILING DATE: 1999-06-19

PRIOR PILING DATE: 1999-06-19

PRIOR PILING DATE: 1999-06-30

PRIOR PILING DATE: 1999-06-30

PRIOR PILING DATE: 1999-06-30

PRIOR PELLON NUMBER: US 09/345,680

PRIOR PILING DATE: 1999-06-30

NUMBER OF SEQ ID NOS: 85

SOFTWARE: PARCHIN VERSION 3.1
                                                                                                                                                                                                     343 ATGCAATCTTGGACTAAGAGTCAAAGAACTGTTCTGTGATGGGGGCTGATCTTGGTGGTG 402
                                                                                      117 PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyr 136
                                                                                                                                 403 ATCAACACCACGGAAGAACACGATTTCATCATTCATAATCTGAAAAGAAATTCTTGTTAT 462
                                                                                                                                                                                                                                                                                                                          TyrGluLygAsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCys 176
                                                                                                                                                                                                                                                                                                                                                                     177 AlaSerileValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThr 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            583 GCGATAATAAATTTCCGCTCTTCACAAGAATGGGGCTGGAATGACATTCACTGTCATGTA 642
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 534
123
37
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                197 ArgArgAsnSerileCysGluMetAsnLysileTyrLeu 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 643 CCTCACAAGTCAATTTGCGAGATGAAGAAGATCTACATA 681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          626.00
75.3%
67.6%
53.7%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Percent Similarity:
Best Local Similarity:
Query Match:
DB:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      , ORGANISM: Mus
US-09-766-511B-62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Alignment Scores:
Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 62
LENGTH: 534
                                                                                                                                                                                                                                                                                                                                157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                             g
                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                               d
                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                              a
                                                                                                                                                                                                                                                                                                                                                                                                                                               δ
                                                                                         ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           임
```

```
Search completed: March 28, 2006, 10:40:35 Job time : 821 secs
                                                                                                         US-10-220-946-21
                                                                                                                          Alignment Scores
                                                                                                                                                                                                                                                                                                                                                                                              302
                                                                                                                                                                                                                                                                                                                                                                              100
                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                             9
                                                                                                                                                                                                                                                                                                                             182
                                                                                                                                                                                                                                                                                                                                                             242
                                                                                                                                                                                                                                                                                                                                                                                                               120
                                                                                                                                                                                                                                                                                                                                                                                                                                                140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   602
                                                                                                                                                                  Query Match:
DB:
                                                                                                                                   Pred. No.:
                                                                                                                                                                                                                          요
                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                        음 장
                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                             Š
                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                            ద
                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                              ઠ્ઠ
                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PheleuglyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro 156
                                                                                                                                                                                                                                                                                                                                550
                                                                                                                                                                                                                                                                                                                                                                                                        610
                                                                                                                           GICTGGTCCATGGCAGTCGTATCCATCTTGCTCCTCAGTGTCTGTTTCACTGTGAGTTCT 130
                                                                                                                                                            250
                                                                                                                                                                                                                                   251 AGCIGCIGCCCAACCCCTIGGACTICATITCAGICTAGITGCTACTITATITCTACTGGG 310
                                                                                                                                                                                                                                                                                      117 PheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyr 136
                                                                                                                                                                                                                                                                                                                                                      TyrGluLysAsnVal-----ArgPheTrpHisLeuGlyGluProAsnHi 171
                                                                                                                                                                                                                                                                                                                                                                                      SSerAlaGluGlnCysAlaSerIleValPheTrpLysProThrGlyTrpGlyTrpAsnAs 191
                                                                                                                                                  57
                                                                                                                                                                                   9/
                                                                                                                                                                                                                    96
                                                                                            1 MetMetGlnGluGlnGlnProGlnSerThrGluLyg---ArgGlyTrpLeuSerLeuArg 19
                                                                                                                  LeuTrpSerValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCys 39
                                                                                                                                                                                                                                                                                                                                                                 |||| :::|||||||
TACAATGAAAATGTCACGTGAGTATAGAATGAGATTCTGGCACTCGGGTGAACCCAATAA
                                                                                                                                                                                 GlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGlu
                                                                                                                                                  40 valvalThrTyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeu----
                                                                                                                                                                                                                                                    GluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValVal
                                                                                                                                                                                                                                                                                                                                                                                                        CCTTGATGAGCGTTGTGCGATAATAATTTCCGTTCTTCAGAAGAATGGGGCTGGAATGA
                                                                                                                                                                                                                                                                                                                                                                                                                     191 pVall1eCysGluThrArgArgAsnSerIleCysGluMetAsnLysIleTyrLeu 209
                                                                                                                                                                                                                                                                                                                                                                                                                                 826
116
32
61
10
       Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                 US-09-766-511B-53 (1-209) x US-10-212-198-2 (1-826)
       2.49e-69
620.50
67.6%
53.0%
53.3%
                        Percent Similarity:
Best Local Similarity:
Alignment Scores:
Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 15
US-10-220-946-21
                                                                                                                                                                                                                                                                                                                     137
                                                                                                                                                                                                                                                                                                                                                                                       171
                                                                                                   11
                                                                                                                                                                                                                     11
                                                                                                                                                                                                                                                                                                                                                        157
                                                                                                                                                                                                                                                                                                                                                                        491
                                                                                                                                                                                                                                                                                                                                                                                                        551
                                                                                                                   20
                                                                                                                                   71
                                                                                                                                                                                                                                                     97
                                      Query Match:
DB:
                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                       쉽
                                                                                                                                                                                                                                                                                                                                                                                                                                        요
                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                   ď
                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                  ò
                                                                                                 원
                                                                                                                   ò
                                                                                                                                   g
                                                                                                                                                  ò
                                                                                                                                                                셤
                                                                                                                                                                                   Š
                                                                                                                                                                                                g
                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                  용
                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                      8
```

```
139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AsnValArgPheTrpHisLeuGlyGluProAsnHisSerAlaGluGlnCysAlaSerIle 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     180 ValpheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArgAsn 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ||||:::|||||||::::::|||||||
TGGACTAAGAGTCAAAAGAACTGTTGTTGTTGATGGGGGCTTGATCTTGGTGGTGATCAACACC 361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23 ValAlaGlyIleSerIleAlaLeuLeuSerAlaCysPheIleValSerCysValValThr 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TyrHisSerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCys 79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   80 ProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLysVal 99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TATCATCCAAGCCTGACTCATGGAAGGAAGGACATAGAAGATTGGAGCTGCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                362 AGGGAAGAACAGGATTTCATCATTCAGAATCTGAAAAGAAATTCTTCTTATTTTCTGGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               62 ATGGCAGTCGTATCCATCTTGCTCCTCAGTGTCTGTTTTCACTGTGATTCTGTGGTGCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsnThr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GlualaGluGlnAsnPheileValGlnGlnLeuAsnGluSerPheSerTyrPheLeuGly
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           :::|||
cgccccgcgtccgaagaccgagaaaaggactctggtggttccagttgaaggtctggtcc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         43 TyrHisPheThrTyrGlyGluThrGlyLysArgLeuSerGluLeu------HisSer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GlnProGlnSerThrGluLy8Arg-----GlyTrpLeuSerLeuArgLeuTrpSer
                                                                                                                                                                                                                                                                                                                                      800
1111
30
63
6
                                                                                                                                                                                                                                                                                                                                    Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-766-511B-53 (1-209) x US-10-220-946-21 (1-800)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          200 SerileCysGluMetAsnLysileTyrLeu 209
PRIOR FILING DATE: 2000-05-18
PRIOR APPLICATION NUMBER: US 60/205,020
PRIOR PILING DATE: 2000-05-18
PRIOR PILING DATE: 2000-05-19
PRIOR PILING DATE: 2000-05-19
PRIOR FILING DATE: 2000-05-19
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 22
SOFTWARE: FastSEQ for Windows Version 4.0
SOFTWARE: PASSOQ ID NOS: 21
LENGTH: 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |||||||||||||:::|||
TCAATTTGCAAGATGAAGAAGATCTACATA
                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps:
                                                                                                                                                                                                                                                                                                                                    6.7e-69
617.00
67.1%
52.9%
53.0%
                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                              Percent Similarity:
Best Local Similarity:
```

Title: Perfect score:

Sequence:

1

OM protein

Run on:

Scoring table:

Searched:

```
Sequence 341, Application US/11000688
; Sequence 341, Application No. US20050287544A1
; Beneroe 341, Application No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERRINCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 3.1
                                                     Sequence 41, Appl Sequence 11, Appl Sequence 11, Appl Sequence 159, App Sequence 159, App Sequence 1526, App Sequence 1526, App Sequence 2993, App Sequence 101, App Sequence 1075, App Sequence 1075, App Sequence 1075, App Sequence 1075, App Sequence 1075, App Sequence 1075, App Sequence 1075, App Sequence 1077, App Sequence 1077, App Sequence 1077, App Sequence 1077, App Sequence 1077, App Sequence 1077, App Sequence 1077, App Sequence 1077, App Sequence 1077, App Sequence 1077, App Sequence 1077, App Sequence 1077, App Sequence 1077, App Sequence 1077, App Sequence 11, Appl Sequence 11, Appl
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 12, Appi
Sequence 11, Appi
Sequence 10, Appi
Sequence 70, Appi
Sequence 778, App
Sequence 625, App
Sequence 625, App
Sequence 183, App
Sequence 113, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 348, App
Sequence 521, App
Sequence 521, App
Sequence 60, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 2461, Ap
Sequence 142, App
Sequence 633, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Description of Artificial sequences:primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: misc feature
LOCATION: (1). [(1800)
OTHER INFORMATION: cd209 antigen-like(CD209L) gene.
                         US-10-1311826A-421

US-10-973-115B-421

US-11-245-47-41

US-11-136-527-3347

US-11-136-527-3347

US-10-68-742-159

US-10-131-826A-457

US-10-131-826-457

US-11-122-32-100

US-11-123-527-293

US-11-136-527-293

US-11-136-527-293

US-11-136-527-1913

US-11-136-527-1075

US-11-108-172-1074

US-11-108-172-1074

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1073

US-11-108-172-1743

US-11-128-049-625

US-11-128-049-625

US-11-128-049-625

US-11-128-049-625

US-11-128-049-625

US-11-128-049-625

US-11-128-049-625

US-11-128-049-625

US-11-128-049-625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
                             US-11-000-688-341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 1800
         1992.5
1990.5
181.5
164.5
151.5
151.5
151.5
1477
                                                                                                                                                                                                                               141.5
139.5
                                                                                                                                                                                                                                                                                           138.5
138.5
138.5
138.5
138.5
                                                                                                                                                                                 144.5
Sequence 341, App
Sequence 340, App
                                                                                                                       (without alignments)
1252.823 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                US-09-766-511B-53
1165
1 MMQEQQPQSTEKRGWLSLRL......NDVICETRRNSICEMNKIYL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "SIDSS/ptodata/1/pubpna/USOB NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*

(SIDSS/ptodata/1/pubpna/USOB_NEW PUB. seq:*)
                                                                                                    March 28, 2006, 10:26:55; Search time 665 Seconds
            GenCore version 5.1.7
(c) 1993 - 2006 Biocceleration Ltd.
                                                                       nucleic search, using frame_plus_p2n model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-11-000-688-341
US-11-000-688-340
                                                                                                                                                                                                                                                                                                                                                      Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                         9258654 segs, 1993127192 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Published_Applications_NA_New:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Listing first 45 summaries
                                                                                                                                                                                                                                             0.5
                                                                                                                                                                                                                           BLOSUM62
Xgapop 10.0, Xgapext
Ygapop 10.0, Ygapext
Fgapop 6.0, Fgapext
Delop 6.0, Delext
                                                                                                                                                                                                                                                                                                                                                                                                                                    Post-processing: Minimum Match 0% Maximum Match 100%
                                                                                                                                                                                                                                                                                                                                                                                     Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Command line parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21.3
18.8
```

Database

Score 248 218.5

о В Result

```
US-11-152-697-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        79
                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match:
DB:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 340, Application US/11000688

Publication No. US200502875441

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: BERTUCCI, Francois
APPLICANT: BIRNBAUM, Daniel
TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
FILE REPRENCE: 1423-R-03
CURRENT FILING DATE: 2004-12-01
PRIOR FILING DATE: 2003-12-01
PRIOR FILING DATE: 2003-12-01
NUMBER OF SEQ ID NOS: 1596
SOFTWARE: Patentin version 3.2
LENGTH: 503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1127
                                                                                                                                                                                                                                                                                                                                                                         175 GlnCysAlaSerIleValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCys 194
                                                                                                                                                                                                                                                                                                                                                                                                                157 TyrGluLysAsnVal---ArgPheTrpHisLeuGlyGluProAsnHisSerAla---Glu 174
                                                                                                                                                                                      99 ValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsn 118
                                                                                                                                                                                                                                                    119 ThrGluAlaGluGlnAsnPhelleValGlnGlnLeuAsnGluSer-----PheSerTyr 136
                                                                                                                                                                                                                                                                                                             137 PheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro 156
                                                                                                                                                                           CysproAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLys
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1083 GACTGTGCGGAATTT------AGTGCCAGTGCTCGAACGACAATGATGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION: (1). [(503)
OTHER INFORMATION: 5' terminal sequence from clone
OTHER INFORMATION: image:200714, cd209 antigen-like(CD209L) gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Description of Artificial sequences:primer
                                        1800
52
19
48
10
                                                                                                                                              US-09-766-511B-53 (1-209) x US-11-000-688-341 (1-1800)
                                                       Matches:
Conservative:
Mismatches:
Indels:
                                           Length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1128 GACGTTGACAATTACTGGATCTGCAAA 1154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     195 GluThrArgArgAsnSerIleCysGlu 203
                                                                                                                   Gaps:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ģ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: n is a, c,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
                                                       248.00
55.0%
40.3%
21.3%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: misc_feature
LOCATION: (1). (503)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: misc_feature
                                                                     Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 2
US-11-000-688-340
US-11-000-688-341
                          Alignment Scores:
Pred. No.:
                                                                                                                                                                           79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
                                                                                                    Query Match:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                        엄
                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                           ò
                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
```

```
Sequence 8, Application US/11152697

Publication No. US20060003367A1

Publication No. US20060003367A1

GENERAL INFORMATION:

APPLICANT: Bristol-Myers Squibb Company

TITLE OF INVENTION: PROTEIN, BGS-18

TITLE OF INVENTION: PROTEIN, BGS-18

TITLE OF INVENTION: PROTEIN, BGS-18

CURRENT APPLICATION NUMBER: US/11/152,697

CURRENT PILING DATE: 2005-06-14

PRIOR PPLICATION NUMBER: 60/580,006

PRIOR FILING DATE: 204-06-15

NUMBER OF SEQ ID NOS: 63

SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        157 TyrGluLysAsnVal---ArgPheTrpHisLeuGlyGluProAsnHisSerAla---Glu 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     321 CTGTCACCCAGCTTCCAGCGGTACTGGAACAGTGGAGAAACCCAACAATAGCGGAAATGAA 380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 144 pactidecaceacticiercaceecticicaedaaeteaeeeccaecticeticetaarcaaa 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CysproAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLys 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99 ValīrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          119 ThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSer-----PheSerTyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       175 GlnCysAlaSerileValPheTrpLysProThrGlyTrpGlyTrp 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      381 GACTGTGNCGGAATT-----TAGTGGCAGTGG 407
                                                                                                                                                                                                                                                                                                                                                                                                                                      503
46
16
42
11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-766-511B-53 (1-209) x US-11-000-688-340 (1-503)
                                                                                                                                                                                                                                                                                                                                                                                                                                       Length:
Matches:
                                                                                                                                                       u
                                                                                                                                                                                                                             u
                                                                                                                                                                                                                                                                                                u
                                                                                                                                                                                                                                                                                                                                                                    ų
                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                    ör
                                                                                     ö
                                                                                                                                                                                                                             ö
                  ö
                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                      ά
                                                                                     တ်
                                                                                                                                                                                                                             Ď
                                                                                                                                                                                                                                                                                                  ģ
                                                                                                                                                         ģ
                  ģ
                                                                                                                                                                                                                             ບັ
                                                                                                                                                                                                                                                                                                  ບັ
                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc feature
LOCATION: (490)...(490)
DOTHER INFORMATION: n is a, C,
US-11-000-688-340
                  ů
                                                                                     ΰ
                                                                                                                                                         ΰ
                                                                                                                                                                                                                                                                                                                                                                                                                                      6.4e-12
218.50
53.9%
40.0%
18.8%
                                                                                                                                                                                                                                           FEATURE:
NAME/KEY: misc feature
LOCATION: (465)...(465)
OTHER INFORMATION: n is a,
                  ğ
                                               NAME/KEY: misc feature
LOCATION: (388)..(388)
OTHER INFORMATION: n is
                                                                                                    FEATURE:
NAME/KEY: misc feature
LOCATION: (420)
OTHER INFORMATION: n is
                                                                                                                                                                        FEATURE:
NAME/KEY: misc feature
LOCATION: (433)..(433)
OTHER INFORMATION: n is
LOCATION: (13)..(13)
OTHER INFORMATION: n is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                         Alignment Scores:
```

ઠે 8 셤 ò 셤 ò 셤 ò g ò 유 8 g ò 쉽

ò

```
1260 TGCGAGCCGAGCTGGCAGCCCTTCCAGGCCACTGCTACCGCCTGCAGGCCGAGAGCGC 1319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   :::||||||:::||| :::
1440 ATCGGCCTCAACGATTTGAAACTGCAGATGAATTTTGAGTGGTCTGACGGGAGCCTTGTG 1499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1500 -----AGCTTCACCCACTGGCACCCCTTTGAGCCCAACAACTTCCGGGACAGTCTGGAG 1553
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        99 ValfrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsn 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         119 ThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPhe---SerTyrPhe 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     158 GluLysAsnValArgPheTrpHisLeuGlyGluProAsnHis-----SerAlaGlu 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               175 GlnCysAlaSerijeValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCys 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       138 LeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrProTyr 157
                                                                                                                                                                                                                                                                                                                                                                                79 CysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLys 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPERENCE: P3330R16128
CURRENT APPLICATION NUMBER: US/10/131,826A
                                                                                                                                                                                                 5641
43
25
52
9
                                                                                                                                                                                               Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                         US-09-766-511B-53 (1-209) x US-11-245-147-116 (1-5641)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1605 AACCAGTCCTTGCCATCCATCTGCAAG 1631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           195 GluThrArgArgAsnSerileCysGlu 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-131-826A-421
Sequence 421, Application US/10131826A
Publication No. US20050245730A1
GENERAL INFORMATION:
                                                                                                                                                                                                 4.72e-08
192.50
52.7*
33.3*
PRIOR FILING DATE: 2001-04-05
NUMBER OF SEQ ID NOS: 246
SOFTWARE: Patentin Ver. 3.2
SEQ ID NO 116
LENGTH: 5641
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Goddard, Audrey
Godowski, Paul J.
Gurney, Austin L.
Sherwood, Steven
Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Baker, Kevin P. APPLICANT: Beresini, Maureen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Desnoyers, Luc
Filvaroff, Ellen
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Watanabe, Colin K
Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DeForge, Laura
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tumas, Daniel
                                                                                                  TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                    Percent Similarity:
Best Local Similarity:
Query Match:
DB:
                                                                                                                                         US-11-245-147-116
                                                                                                                                                                               Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                   Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                   윱
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        යි
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     a
                                                                                                                                                                                                                                                                                                                                                                                à
                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                            1190 TCATTACTTCACAGGAACAGCTACAAAGAACCCAAAGTCAGCTTCTCCCAGA----- 1240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -----TGGTCCTGCAA-----GGCTGGAAGTTCAATGGTGGAAGCTTATATTAT 1284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .522 AAGAATCAGTCTGACAACTGGCGGCACAAGAATGGGCAGACTGAAGACTGTGTCCAAATT 1581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ------CAGCAGAAGTGGAATGACATGACCTGTGACACCCCTATCAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 116, Application US/11245147

Publication No. US20060030541A1

GENERAL INFORMATION:
APPLICANT: GARCIA, TERESA

APPLICANT: ROWAN ROMAN, SERGIO
APPLICANT: ROLL KATHERINE
APPLICANT: THEILHABER, JOACHIM
APPLICANT: THEILHABER, JOACHIM
APPLICANT: THEILHABER, JOACHIM
APPLICANT: THEILHABER, SERGIO
APPLICANT: THEILHABER, JOACHIM
APPLICANT: RAWADI, GENERES INVOLVED IN OSTEOGENESIS, AND METHODS OF USE
TITLE OF INVOLVION GENER INVOLVED IN OSTEOGENESIS, AND METHODS OF USE
FILE REFERENCE: 37991-0023
CURRENT APPLICATION NUMBER: DCT/1B02/0211

PRIOR APPLICATION NUMBER: PCT/1B02/0211

PRIOR APPLICATION NUMBER: ECT/1B02/0211

PRIOR APPLICATION NUMBER: ECT/1B02/0211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             113 HisLeuValValPheAsnThrGluAlaGluGlnAsnPhelleValGlnGlnLeuAsnGlu 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           133 SerPheSerTyrPheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIle 152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -----PheTrpHis 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    166 LeuGlyGlu--------ProAsnHisSerAlaGluGlnCysAlaSerIle 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  180 ValPheTrpLysProThrGlyTrpGlyTrpAsnAspValIleCysGluThrArgArgAsn 199
                                                                                                                                                                                                                                                                                                                      SerGluLeuHis----SerTyrHisSerSerLeuThrCysPheSerGluGlyThrLys
                                                                                                                                                                                                                                                                                                                                                                                                 73 ValProAlaTrpGlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPhe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               93 IleSerSerGluGluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAla
                                                                                                                                     1659
51
22
61
31
                                                                                                                                     Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                               US-09-766-511B-53 (1-209) x US-11-152-697-8 (1-1659)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      153 AspLysThrProTyrGluLysAsnValArg----
                                                                                                                                                                                                                                        Gaps:
                                                                                                                                   3.7e-09
197.00
44.5%
31.1%
16.9%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       :::|||:::
1624 TGGGTGTGCAAG 1635
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                200 SerileCysGlu 203
                                       TYPE: DNA
CORGANISM: Homo sapiens
US-11-152-697-8
                                                                                                                                                              Percent Similarity:
Best Local Similarity:
Query Match:
DB:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 4
US-11-245-147-116
                                                                                                                     Alignment Scores:
                      LENGTH: 1659
                                                                                                                                                                                                                                                                                                                                                                                                                                          1241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1345
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1582
  SEQ ID NO 8
                                                                                                                                         Pred. No.:
```

ò

```
임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99 ValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsn 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     679 GGCCTGGATGAGCGCTTCCTCACTCGGAAC---ACGCGTGGCTGGTTACTGGCTG 735
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AsplysThrProTyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSer 172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |||||||| :::|||||||:::
136 GGCCTGAGGCTGTGCGCCATCTGGGCAAGGTTCAGGGC-----TACCAGTGGGTG 786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -----AlaGluGlnCysAlaSerIleValPheTrpLysProThrGlyTrpAgn 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           841 regegececeagaacrefeteatgatgetecac------Accececeagaacre--regaac 888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              79 CysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLys 98
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR APPLICATION NUMBER: 60/056974
PRIOR PILING DATE: 1997-06-18
PRIOR PILING DATE: 1997-08-26
PRIOR PILING DATE: 1997-09-17
PRIOR PLING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
PRIOR PELING DATE: 1997-09-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        559 TGCCCCACGTCGTGGCTGTCCTTCGAGGGCTCCTGCTACTTTTTCTCTCTGTGCCAAAGACG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             119 ThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGluSerPheSerTyrPheLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   191 AspValileCysGluThrArgArgAsnSer---ileCysGlu 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1355
45
21
21
19
19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-766-511B-53 (1-209) x US-10-131-826A-421 (1-1355)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-973-115B-421
Sequence 421, Application US/10973115B
; Publication No. US20060040351A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.26e-08
190.50
49.3*
33.6*
16.4*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity:
Query Match:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Percent Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-131-826A-421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               吕
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
```

APPLICANT: Baker, Kevin P.

```
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODIN
TITLE OF INVENTION: SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                153 AspLysThrProTyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsnHisSer 172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -----AlaGluGlnCysAlaSerIleValPheTrpLysProThrGlyTrpGlyTrpAsn 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99 ValīrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsn 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         679 GGCCTGGATGAGCAGGGCTTCCTCACTCGAAC---ACGCGTGGCTGGTTACTGGCTG 735
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sso rececenceresterereterres de assessa es es recentral de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante de constante d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      79 CysproAlaSerTrpLysSerPheGlySerSerCysTyrPhelleSerSerGluGluLys 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       119 ThrGluAlaGluGlnAsnPhelleValGlnGlnLeuAsnGluSerPheSerTyrPheLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1355
45
21
49
19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-766-511B-53 (1-209) x US-10-973-115B-421 (1-1355)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TILE REFERENCE: 39870-3330R1C300C1
CURRENT APPLICATION NUMBER: US/10/973,115B
CURRENT FILING DATE: 2004-10-22
PRIOR APPLICATION NUMBER: US/11/45,747
PRIOR PILING DATE: 2002-05-14
PRIOR FILING DATE: 2001-12-19
PRIOR FILING DATE: 2001-12-19
PRIOR FILING DATE: 2001-12-01
PRIOR FILING DATE: 2000-12-01
PRIOR FILING DATE: 2000-12-01
PRIOR FILING DATE: 2000-05-16
PRIOR FILING DATE: 2000-05-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 1909-05-2
PRIOR FILING DATE: 1999-05-2
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1999-05-28
PRIOR FILING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
PRIOR FILING DATE: 1999-03-05
                                                                                                                                                                                                                                                   Gurney, Austin L.
Sherwood, Steven
Smith, Victoria
Stewart, Timothy A.
Tumas, Daniel
                                                                              Gao, Wei-Quiang
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                190.50
49.3%
33.6%
16.4%
Desnoyers, Luc
Filvaroff, Ellen
                                                                                                                                                                          Goddard, Audrey
                                                                                                                                                                                                                            Godowski, Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity:
Query Match:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Percent Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-973-115B-421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
                                                                              APPLICANT:
APPLICANT:
                                                                                                                                                                          APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
```

```
1420 AACTITCGIGACAGCCIGGAGGACTGIGTCACCATC-----TGGGGGCCGGAAGGA--- 1470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88 SerSerCysTyrPhelleSerSerGluGluLysValTrpSerLysSerGluGlnAsnCys 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  466 TCAAAGGGAACG-----GCATGCAACGTGTGTCCCAAGGACTGGCTCCATTTCCAA 516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             128 GlnGlnLeuAsnGluSerPheSerTyrPheLeuGlyLeuSerAspProGlnGlyAsnAsn 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ||| :::|||:::
637 CAACATATCAACAAGAAGGAGTCCTGG---ATTGGTCTCCAGGATCTCAACATGGAGGGA 693
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   148 AsnTrpGlnTrpIleAspLysThrPro----TyrGluLysAsnValArgPheTrpHis 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  166 LeuGlyGluProAsnHis-----SerAlaGluGlnCysAlaSerIleValPheTrpLys 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          742 ccadddddddaarggggccagggrdaddacrdc-----drcargargcgg 792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   184 ProThrGlyTrpGlyTrpAsnAspVallleCysGluThrArgArgAsnSer---IleCys 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       108 ValGluMetGlyAlaHisLeuValValPheAsnThrGluAlaGluGlnAsnPheIleVal 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        68 SerGluGlyThrLysValProAlaTrpGlyCysCysProAlaSerTrpLysSerPheGly 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rat Genes
                                                               188 GlyTrpAsnAspValIleCysGluThrArgArgAsnSerileCysGlu 203
                                                                                                                                                                                                                                                                                                                    APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, william M
TITLE OF INVENTION: Probe Arrays For Expression Profiling of I
FILE REFERENCE: 031896-041000 (Mn101086)
CURRENT APPLICATION NUMBER: US/11/136,527
CURRENT FILING DATE: 2005-05-25
PRIOR APPLICATION NUMBER: US 60/574,294
PRIOR PILING DATE: 2005-05-26
NUMBER OF SEQ ID NOS: 362830
SOFTWARE: PATENTIN VERSION 3.2
                                                                                                                     1471 cecricialacia de la contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contra contr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1146
43
27
27
17
17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-766-511B-53 (1-209) x US-11-136-527-3347 (1-1146)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                     ; Sequence 3347, Application US/11136527; Publication No. US20050287570A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 1, Application US/11152697
; Publication No. US20060003367A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7.86e-08
181.50
49.6%
30.5%
15.6%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA ORGANISM: Rattus norvegicus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               852
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      203 Glu 203
                                                                                                                                                                                                          US-11-136-527-3347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-11-136-527-3347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               850 GAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 1146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 3347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-11-152-697-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 9
                                                               ò
                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: GARCIA, TERESA

APPLICANT: BARON, ROLAND

APPLICANT: CALL, KATHERINE

APPLICANT: CALL, KATHERINE

APPLICANT: CALL, KATHERINE

APPLICANT: THEILHABER, JOACHM

APPLICANT: THEILHABER, JOACHM

APPLICANT: CANNOLLY, TIMOTHY

APPLICANT: GANNON, AMADIA

APPLICANT: BUSHNELL, STEVEN

APPLICANT: RAWADI, GENGES

TITLE OF INVENTION: GENES INVOLVED IN OSTEOGENESIS, AND METHODS OF USE

TILLE REFERENCE: 37991-0023

CURRENT PILING DATE: 2002-04-05

PRIOR FILING DATE: 2002-04-05

PRIOR FILING DATE: 2002-04-05

NUMBER OF SEQ ID NOS: 246

SOUTHWARE: PATENTIN VET: 3.2

SEQ ID NO 41

EBNGTH: 4451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1082 AGAAGAAACCCAACGCTACGGTCGAGCCCATCCAGCCAGACC-------GGTGGA 1129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TGGGGGCGCGAAACTGTGTCATGATGCTGCAC-----ACGGGGCTG---TGGAAC 888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       92 PhelleSerSerGluGluLysValTrpSerLysSerGluGlnAsnCysValGluMetGly 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       112 AlaHisLeuValValPheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsn 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GluSerPhe---SerTyrPheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGln 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TrplleAspLysThrProTyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsn 170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    52 LysArgLeuSerGluLeuHisSerTyrHisSerSerLeuThrCysPheSerGluGlyThr 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 72 LysValProAlaTrpGlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1130 CCAATGTCAAGGTGGAA,TGTGACCCC---AGCTGGCAGCCCTTCCAGGGCCACTGCTAC
                                                                                    191 AspVallleCysGluThrArgArgAsnSer---IleCysGlu 203
                                                                                                                           4451
51
28
63
15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length:
Matches:
Conservative:
Mismatches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-766-511B-53 (1-209) x US-11-245-147-41 (1-4451)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels:
                                                                                                                                                                                                                                                          Sequence 41, Application US/11245147
Publication No. US20060030541A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6.94e-08
189.50
50.6%
32.7%
16.3%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
CORGANISM: Mus musculus
US-11-245-147-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Alignment Scores:
Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match:
DB:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score:
                                                                                                                                          쉱
                              g
                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
```

```
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                  42 ThrTyrHisPheThrTyr-------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 457, Application US/10131826A publication No. US20050245730A1 GENERAL INFORMATION:
                PatentIn version 3.2
                                                                                                                                             0.000122
                                                                                                                                                   151.50
35.3%
21.0%
13.0%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Baker, Kevin P. APPLICANT: Beresini, Maureen
                                                                TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                          Percent Similarity:
Best Local Similarity:
NUMBER OF SEQ ID
SOFTWARE: PatentI
SEQ ID NO 159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-131-826A-457
                                                                                             US-10-689-742-159
                                                                                                                              Alignment Scores:
                                               LENGTH: 1776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         789
                                                                                                                                                                                                           Query Match:
                                                                                                                                             Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               용
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                               유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                        ठ
                                                                                                                                                                                                                                                                                                                                                       ò
                APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: POLYNUCLECTIDES ENCODING A NOVEL HUMAN KUPFFER CELL RECEPTOR
TITLE OF INVENTION: PROTEIN, BGS-18
FILE REFERENCE: D0242 NP
CURRENT APPLICATION NUMBER: US/11/152,697
CURRENT APPLICATION NUMBER: 60/580,006
PRIOR FILING DATE: 2005-06-14
PRIOR FILING DATE: 2004-06-15
NUMBER OF SEQ ID NOS: 63
SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1708 TITICIAGIGICAAGAGICTIGGCAIGAGGCIGAGCAGITCIGCGIGICCCAGGGAGCC 1767
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1664 ------régrccrécaa-----gcrégaágrrcaargérggaágcrrarárrar 1707
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HisteuValValPheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsnGlu 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           93 IleSerSerGluGluLysValTrpSerLysSerGluGlnAsnCysValGluMetGlyAla 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       133 SerPheSerTyrPheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIle 152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SerGluLeuHis----SerTyrHisSerSerLeuThrCysPheSerGluGlyThrLys 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Jacobs, Kenneth
APPLICANT: MCCOY, John M
APPLICANT: MCCOY, John M
APPLICANT: LaVallie, Edward R
APPLICANT: Racie, Lisa A
APPLICANT: Brans, Cheryl
APPLICANT: Brans, Cheryl
APPLICANT: Merberg, David
APPLICANT: Merberg, David
APPLICANT: Spaulding, Vikki
TITLE OF INVENTION: SECRETE PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
FILE REPERENCE: 00706.000911.0
CURRENT APPLICATION NUMBER: US/10/689,742
FRIOR PILLING DATE: 2003-10-22
FRIOR PILLING DATE: 2000-12-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1613 İCATTACİTİCACAGGAACAĞCİACAAAGAACCCAAAGTCAGCİİCİÇCAGA-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ValProAlaTrpGlyCysCysProAlaSerTrpLysSerPheGlySerSerCysTyrPhe
                                                                                                                                                                                                                                                                                                                                   3039
339
17
38
12
                                                                                                                                                                                                                                                                                                                                      Length:
Matches:
Conservative:
Mismatches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-766-511B-53 (1-209) x US-11-152-697-1 (1-3039)
                                                                                                                                                                                                                                                                                                                                                                                                        Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 159, Application US/10689742
Publication No. US20050250180A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.25e-05
164.50
53.3%
37.1%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     153 AspLysThrProTyr 157
                                                                                                                                                                                                                                                                          , LOCATION: (445)..(1920)
US-11-152-697-1
                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                    Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-689-742-159
                                                                                                                                                                                                                                          FEATURE:
NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                         Alignment Scores:
                                                                                                                                                                          SEQ ID NO 1
LENGTH: 3039
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          113
                                                                                                                                                                                                                                                                                                                                                                                                   Query Match:
DB:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
```

```
150 GlnTrpIleAspLysThrProTyrGluLysAsnValArgPheTrpHisLeuGlyGluPro 169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AsnHisSerAlaGluGlnCygAlaSerIleValPheTrpLysProThrGlyTrpGlyTrp 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             276 CTTTTGTTTTTTCTCAGTACTACCAGCTCTCCAATACTGGTCAAGACACCATTTCTCAAATG 335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               336 GAAGAAAGATTAGGAAATACGTCCCAAGAGTTGCAATCTCTTCAAGTCCAGAATATAAAG 395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               396 CHIGCAGGAAGTCTGCAGCATGTGGCTGAAAACTCICICCTGAGCTGTATAACAAAGCT 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      456 ggagcaccargergcacccrricracagaacaardgaaarggcarggagacaarrgcrac 515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     112 AlaHisLeuValValPheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsn 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               132 GluSerPhe----SerTyrPheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrp 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ||||:::|||| ||||||:::
696 CTGTGGATGGATGGAACCCCTTTCACTTCTGAACTGTTCCATATTATAATAGATGTCACC 755
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              92 PhelleSerSerGluGluLysValTrpSerLysSerGluGlnAsnCysValGluMetGly 111
                                                                                                                                                                                                                                          6 GlnProGlnSerThrGluLysArgGlyTrpLeuSerLeuArgLeuTrpSerValAlaGly 25
                                                                                                                                                                                                                                                                                                                                                       26 IleSerIleAlaLeuLeuSerAlaCysPheIle------ValSerCysValVal 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   48 -------GlyGluThrGlyLysArgLeuSerGluLeuHisSerTyrHisSerSer 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               64 LeuThr------CysPheSerGluGlyThrLysVal 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         74 ProAlaTrpGlyCys-----CysProAlaSerTrpLysSerPheGlySerSerCysTyr 91
                                                                                                                                                                                                                                                                                 .68 GAGCCCCGGCGCACAGAGCACAGGGCTCCCTCTTCA----ACGTGG-----CGACCA
                                                                                                                                                                                                                                                                                                                                                                                     190 AsnAspValile------CysGluThrArgArgAsnSerIleCysGlu 203
  1776
50
34
101
53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      756 AGCCCAAGAAGCAGAGACTGTGGGCCATCCTT-----
Length:
Matches:
Conservative:
Mismatches:
                                                                                                                                                                                          US-09-766-511B-53 (1-209) x US-10-689-742-159 (1-1776)
```

```
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODI?
TITLE OF INVENTION: SAME
                                                                                                                                                                                                                          132 GluSerPhe----SerTyrPheLeuGlyLeuSerAspProGlnGlyAsnAsnTrp 149
                                                                                                                                                                                                                                                                                                                                                                                                                    111 TCTGAGTTTTTCTACTCTTATTGGACAGGCTTTTGCGCCCTGACAGGCCTGG 770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    150 GlnTrpIleAspLysThrProTyrGluLysAsnValArgPheTrpHisLeuGlyGluPro 169
                                                                                                                                            531 GGAGCACACAGGIGCAGCCCTIGIACAGAACAAIGGAAAIGGCAIGGAGACAATIGCIAC 590
                                                                                                                                                                                                                                                                                                                                     651 TCTACCATGCTGAAGATAAACAAACAAGAAGACCTGGAATTTGCCGCGTCTCAGAGCTAC 710
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       771 CTGTGGATGGATGGAACCCTTTCACTTCTGAACTGTTCCATATTATAATAGATGTCACC 830
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     170 AsnHisSerAlaGluGlnCysAlaSerIleValPheTrpLysProThrGlyTrpGlyTrp 189
                                             471 CTTGCAGGAAGTCTGCAGCATGTGGCTGAAAACTCTGTCGTGAGCTGTATAACAAAGCT 530
                                                                                                                                                                                         PhelleSerSerGluGluLygValTrpSerLysSerGluGlnAsnCysValGluMetGly 111
                                                                                                                                                                                                                                                                                          112 AlaHisLeuValValPheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsn 131
-CysPheSerGluGlyThrLysVal 73
                                                                                           74 ProAlaTrpGlyCys-----CysProAlaSerTrpLysSerPheGlySerSerCysTyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      190 AsnAspValile------CysGluThrArgArgAsnSerIleCysGlu 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OR PILLING DATE: 2002-05-14

OR APPLICATION NUMBER: US 10/028,072

OR PILLING DATE: 2001-12-19

OR PILLING DATE: 2000-12-01

OR PILLING DATE: 2000-12-01

OR PILLING DATE: 2000-05-16

OR APPLICATION NUMBER: PCT/US00/05746

OR APPLICATION NUMBER: DCT/US00/05746

OR APPLICATION NUMBER: US 60/135,736

OR APPLICATION NUMBER: US 60/135,736

OR APPLICATION NUMBER: US 60/135,736

OR APPLICATION NUMBER: US 60/135,736

OR APPLICATION NUMBER: US 60/135,736
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: 39970-3330R1C300C1
CURRENT APPLICATION NUMBER: US/10/973,115B
CURRENT FILING DATE: 2004-10-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US 10/145,747
PRIOR PILING DATE: 2002-05-14
PRIOR FILING DATE: 2001-12-19
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR APPLICATION NUMBER: US 09/581,742
PRIOR FILING DATE: 2000-12-01
PRIOR FILING DATE: 2000-06-16
PRIOR PILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
PRIOR FILING DATE: 2000-06-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 457, Application US/10973115B; Publication No. US20060040351A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Stewart, Timothy A. Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Watanabe, Colin K.
Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Godowski, Paul
Gurney, Austin L.
Sherwood, Steven
Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gao, Wei-Quiang
Gerritsen, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Desnoyers, Luc
Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-973-115B-457
                                                                                                                                                                                            92
  64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT
                                                                                                                               엄
                                                                                                                                                                                                                                                                                                                                g
                                 g
                                                                                           ò
                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                  원
                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      a
                                                                                                                                                                                                                        APPLICANT: Tumas Daniel
APPLICANT: Tumas Daniel
APPLICANT: Tumas Daniel
APPLICANT: Tumas Daniel
APPLICANT: Watanabe,Colin K
APPLICANT: Wacd,William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C12B
CURRENT APPLICATION NUMBER: US/10/131,826A
CURRENT PILING DATE: 1202-04-24
PRIOR FILING DATE: 1997-06-18
PRIOR FILING DATE: 1997-06-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-18
PRIOR FILING DATE: 1997-09-19
PRIOR FILING DATE: 1997-09-19
PRIOR FILING DATE: 1997-09-19
PRIOR FILING DATE: 1997-09-19
PRIOR FILING DATE: 1997-09-19
PRIOR FILING DATE: 1997-09-19
PRIOR FILING DATE: 1997-09-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    351 CTTTTGTTTTTTCAGTACTACCAGCTCTCCAATACTGGTCAAGACACCATTTCTCAAATG 410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  411 GAAGAAAGATTAGGAAATACGTCCCAAGAGTTGCAATCTCTTCAAGTCCAGAATATAAAG 470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IleSerIleAlaLeuLeuSerAlaCysPheIle------ValSerCysValVal 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6 GlnProGlnSerThrGluLysArgGlyTrpLeuSerLeuArgLeuTrpSerValAlaGly 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ------GlyGluThrGlyLysArgLeuSerGluLeuHisSerTyrHisSerSer 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      243 GAGCCCGGGCGCACAGAGCACACACGCTCCTTCA----ACGTGG-----CGACCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 550 SEQ ID NO 457
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1841
50
34
101
53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-766-511B-53 (1-209) x US-10-131-826A-457 (1-1841)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches:
Conservative:
Mismatches:
Indels:
Gaps:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ThrTyrHisPheThrTyr------
                                                                                                                                                                                                                   Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.000128
                                                                  Gerritsen, Mary E
                                                                                                                Godowski, Paul J.
Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           151.50
35.3%
21.0%
13.0%
                                                                                                                                                                  Sherwood, Steven
Desnoyers, Luc
Filvaroff, Ellen
                                                                                         Goddard, Audrey
                                                                                                                                                                                         Smith, Victoria
                                           Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-131-826A-457
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26
                                                               APPLICANT:
APPLICANT:
                                                                                                                                                                                       APPLICANT
                                                                                                                                                                                                                   APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match:
```

8 셤 δ g ઠે 셤 ò 셤

```
..
00
..
                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           150 GlnTrplleAspLysThrProTyrGluLysAsnValArgPheTrpHisLeuGlyGluPro 169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        111 CTGTGGATGGAACCCCTTTCACTTCTGAACTGTTCCATATTATAATAGATGTCACC 830
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          351 CTTTTGTTTTTCAGTACTACCAGCTCTCCAATACTGGTCAAGACACCATTTCTCAAATG 410
                                                                                                                                                                                                                                                                                                                                                                                                                                          411 GAAGAAAGATTAGGAAATACGTCCCAAGAGTTGCAATCTCTTCAAGTCCAGAATATAAAG 470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    471 CTTGCAGGAAGTCTGCAGCATGTGGCTGAAAAACTCTGTCGTGAGGCTGTATAACAAAGCT 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        92 PhelleSerSerGluGluLysValTrpSerLysSerGluGlnAsnCysValGluMetGly 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    112 AlaHisLeuValValPheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeuAsn 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               132 Gluserphe----SerTyrPheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrp 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            170 ABnHisSerAlaGluGlnCysAlaSerileValPheTrpLysProThrGlyTrpGlyTrp 189
                                                                                                                                                                                                                                                  6 GlnProGlnSerThrGluLyBArgGlyTrpLeuSerLeuArgLeuTrpSerValAlaGly 25
                                                                                                                                                                                                                                                                    243 GAGCCCCGGCCCACAGAGCACACAGGCTCCCTCTTCA----ACGTGG------CGACCA
                                                                                                                                                                                                                                                                                                        26 IleSerIleAlaLeuLeuSerAlaCysPheIle------ValSerCysValVal
                                                                                                                                                                                                                                                                                                                                                                                                                  -------GlyGluThrGlyLyBArgLeuSerGluLeuHiBSerTyrHiBSerSer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ------CysPheSerGluGlyThrLysVal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               74 ProAlaTrpGlyCys-----CysProAlaSerTrpLysSerPheGlySerSerCysTyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 190 AsnAspValile------CysGluThrArgArgAsnSerIleCysGlu 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1841
50
34
101
53
                                                                                                                                                                                                                       US-09-766-511B-53 (1-209) x US-10-973-115B-457 (1-1841)
                                                                                                                                                  Conservative:
Mismatches:
Indels:
                                                                                                                                       Matches:
                                                                                                                                                                                                                                                                                                                                                              42 ThrTyrHisPheThrTyr------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 100, Application US/11122329
Publication No. US20060019272A1
GENERAL INFORMATION:
                                                                                                                     0.000128
151.50
35.3%
21.0%
PRIOR FILING DATE: 1999-03-05
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 457
LENGTH: 1841
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LeuThr------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Geraci, Mark
APPLICANT: Bull, Todd
                                                      TYPE: DNA
ORGANISM: Homo sapiens
US-10-973-115B-457
                                                                                                                                                    Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-11-122-329-100
                                                                                                          Alignment Scores:
Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                     48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           64
                                                                                                                                                                               Query Match:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                                                                                                                    ઠ
                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                         요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            용
```

```
APPLICANT: Voelkel, Norbert
APPLICANT: Coldren, Chris
TITLE OF INVENTION: Diagnosis of Disease and Monitoring of Therapy Using Gene
TITLE OF INVENTION: Expression Analysis of Peripheral Blood Cells
FILE REFERENCE: 2848-54
CURRENT APPLICATION NUMBER: US/11/122,329
CURRENT FILING DATE: 2005-03
PRIOR APPLICATION NUMBER: 60/568,129
PRIOR FILING DATE: 2004-05-03
NUMBER OF SEQ ID NOS: 128
SOFTWARE: PatentIn version 3.3
SEQ ID NO 100
LENGTH: 11185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ||||||::|||
9945 GGCCTCAATGACAAGATGTTTGAGCATGACTTCCGTTGGACTGAATGGCAGCACACTGCAA 10004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10053 GAAGACTGTGTT---GTAATCATTTGGCATGAGAATGGC----CAGTGGAATGATGTTCCC 10106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9771 İGİGACTATGECİĞGCACAAİTÜCAAGGGCAGİĞCİAĞAAATACTTTĞCCCATGGAĞĞ 9830
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   157 TyrcluLysAsnValArgPheTrpHisLeuGlyGluProAsn------HisSerAla 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       174 GluGlnCygAlaSerlleValPheTrpLyBProThrGlyTrpGlyTrpAgnAspValIle 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               119 ThrGluAlaGluGlnAsnPhelleValGlnGlnLeuAsnGluSerPheSerTyrPheLeu 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CysProAlaSerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLys 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99 ValŢrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPheAsn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10005 TACGAGAAT------TGGAGACCCAACCAGCCAGACCAGCTTCTTTCTGCTGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              139 GlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThr----Pro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10107 TGCAATTACCATCTCACCTATACGTGCAAGAAAGGAACAGTT 10148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     194 CysGluThrArgArgAsnSerIleCysGluMetAsnLysIle 207
                                                                                                                                                                                                                                                                                                                                                                                                                                   11185
35
23
63
13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-766-511B-53 (1-209) x US-11-122-329-100 (1-11185)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                          Length:
Matches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1526, Application US/11072512 Publication No. US20060029945A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: ISOGAI, TAKAO
APPLICANT: SUGIYAMA, TOMOYASU
APPLICANT: OTSUKI, TETSUJI
APPLICANT: SATO, HIROYUKI
APPLICANT: SATO, HIROYUKI
APPLICANT: ISHII, SHIZUKO
APPLICANT: ISHII, SHIZUKO
APPLICANT: YAMAMOTO, JUN-ICHI
APPLICANT: ISONO, YUUKO
APPLICANT: HIO, YUKI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTSUKA, KAORU
NAGAI, KEIICHI
IRIE, RYOTARO
TAMECHIKA, ICHIRO
                                                                                                                                                                                                                                                                                                                                                                                                                                     0.00121
151.50
43.3%
26.1%
13.0%
                                                                                                                                                                                                                                                                                                                                    , ORGANISM: Homo sapiens
US-11-122-329-100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-11-072-512-1526
                                                                                                                                                                                                                                                                                                                                                                                                                    Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            79
                                                                                                                                                                                                                                                                                                                       TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match:
DB:
```

```
Percent Similarity:
Best Local Similarity:
Query Match:
DB:
                                                                                                                                                                                                                                               Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                   65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1
                                                                                                                                                                                                                                                               No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Search cor
Job time
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ď
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ::::::|||||||
959 TGGATTGGCCTCCACTGCAG-----AGGGACTTCCAGTGGAGGAGCAGAGCT 1012
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1013 TTGATGTATGCCAAC-----TGGGCACCTGGGGAGCCCTTGGCCCTAGCCCT 1060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1118 CACTICACTGGC----CGCTGGACGATCGGAGCTGCACGAGGAGACCCATGGCTTCATC 1174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         735 AGCCCCCAGACCTGC------CAACTACAGCCCTGGGGGGC-TGCCCTCT 778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GACTGGATCCAGTTCCTCAACAAGTGTTTTCAGGTCCAGGGCCAGGAACCCCAGAGCCGG 838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ---ValTrpSerLysSerGluGlnAsnCysValGluMetGlyAlaHisLeuValValPhe 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       118 AsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeu---AsnGluSerPheSerTyr 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          137 PheLeuGlyLeuSerAspProGlnGlyAsnAsnAsnTrpGlnTrpIleAspLysThrPro 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        82 SerTrpLysSerPheGlySerSerCysTyrPheIleSerSerGluGluLys----- 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SerSerLeuThrCysPheSerGluGlyThrLysValProAlaTrpGlyCysCysProAla
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       899 ACAAACCCCTTAGAGCATCATCACAGCCAGCCTGCCCAATGTGACCTTTGACCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -----TyrGluLysAsnValArgPheTrpHisLeuGlyGluProAsn------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -----ThrGlyTrpGlyTrpAsnAspVallleCys---GluThrArgAsnSerIle
                                                                                                                                                                                                                                                                                                                                                   3201
47
25
57
34
                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-766-511B-53 (1-209) x US-11-072-512-1526 (1-3201)
                                                                                                                                                                                                                                                                                                                                                   Length:
Matches:
Conservative:
Mismatches:
Indels:
APPLICANT: SEKI, NAOHIKO
APPLICANT: YOSHIKAWA, TSUTOMU
APPLICANT: OTSUKA, MOTOVUKI
APPLICANT: NAGHARI, KENUI
APPLICANT: NAGHARI, KENUI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: NOVel full length cDNA
FILE REFERENCE: 084335-0191
CURRENT APPLICATION NUMBER: US 60/350,978
FRIOR PELING DATE: 2005-03-07
PRIOR PELING DATE: 2000-1-25
PRIOR APPLICATION NUMBER: UP 2001-379298
FRIOR APPLICATION NUMBER: UP 2001-379298
NUMBER OP SEQ ID NOS: 4096
SOFTWARE: PALENTIN NOS: 4096
SOFTWARE: PALENTIN OF: 2.1
SEQ ID NO 1526
                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 2993, Application US/11136527; Publication No. US20050287570A1
GENERAL INFORMATION: APPLICANT: Wyeth
                                                                                                                                                                                                                                                                                                                                                0.000706
147.00
44.4%
29.0%
                                                                                                                                                                                                                                                                                       ORGANISM: Homo sapiens US-11-072-512-1526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1175 TGCCAG 1180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CysGlu 203
                                                                                                                                                                                                                                                                                                                                                                                   Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-11-136-527-2993
                                                                                                                                                                                                                                                                                                                                       Alignment Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    171
                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match:
DB:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           පු
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
```

```
||||||||
3077 ACCTGCATTGATGAGGTGAATGGTTTCATCTGCCTCTGTCTCCCCAGCTATGGGGCAAC 3136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3137 CTGTGCGAGAAGGACACAGAAGGATGCGACGTGGCTGGCACAAATTCCAGGGCCACTGC 3196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |||||||| :::
3305 ---AACAGTTTTGGACACGAGAATTCATGGATTGGCCTGAATGACAGGACAGTAGAGAGG 3361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3362 GACTTCCAGTGGACAGACACACAGGACTGCAATATGAGAAC-------TGGAGA 3409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3464 GCGCATGAGAATGGACGCTGGAATGATGTCCCCTGTAACTACAACCTCCCCTACGTCTGC 3523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TyrPhelleSerSerGluGluLysValTrpSerLysSerGluGlnAsnCysValGluMet 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      131 AsnGluSerPheSerTyr-----PheLeuGlyLeuSerAspProGlnGlyAsnAsn 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 148 AsnTrpGlnTrpIleAspLysThr -----ProTyrGluLysAsnValArgPheTrpHis 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           166 LeuGlyGluProAsnHis-----SerAlaGluGlnCysAlaSerIleValPheTrp 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            183 LysProThrGlyTrpGlyTrpAsnAspVallleCysGluThrArgArgAsnSerlleCys 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           111 GlyAlaHisLeuValValPheAsnThrGluAlaGluGlnAsnPheIleValGlnGlnLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ThrCysPheSerGluGlyThrLys-------valproAlaTrpGly-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -----CysProAlaSerTrpLysSerPheGlySerSerCys
APPLICANT: Mounts, William M
TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
FILE REFERENCE: 031896-041000 (AM101086)
CURRENT APPLICATION NUMBER: US/11/136,527
CURRENT FILING DATE: 2005-05-25
PRIOR PILING DATE: 2005-05-26
PRIOR FILING DATE: 2005-05-26
SOFTWARE: Patentin version 3.2
SEQ ID NO 2993
LENGTH: 5191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-766-511B-53 (1-209) x US-11-136-527-2993 (1-5191)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length:
Matches:
Conservative:
Mismatches:
Indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 completed: March 28, 2006, 10:51:57
le : 674 Becs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3524 AAGAAGGGTACAGTG 3538
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      203 GluMetAsnLysile 207
                                                                                                                                                                                                                                                                                                                               ; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-2993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  144.50
38.8%
24.8%
12.4%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   78 ---Сув------
```

THIS PAGE BLANK USPON